

Htek UC900 SIP Phone Auto Provision User Guide



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1. Introduction

Please note: 9xx including all models:

UC601/UC901/UC902/UC903/UC913/UC923/UC924/UC926/

Htek IP Phone could be plugged directly into an IP network and be used without any manual configuration.

This guide provides instructions on how to provision Htek IP Phone with the minimum settings. Htek IP Phone supports FTP, TFTP, HTTP, and HTTPS for auto provisioning and are configured by default to use the HTTP.

This guide is a basic guidance for provisioning on Htek IP phones, including the models: Htek UC601/UC901/UC902/UC903/UC913/UC923/UC924/UC926

Note: The auto provision just applies to FW 1.0.3.70 or FW after 1.0.3.70. For the latest FW, please download from our website <u>www.Htek.com</u>.

2. Manage Configuration

Htek IP Phone could be configured via Web Interface and via Configuration File that download through TFTP/FTP/HTTP/HTTPS. All devices support a configuration file in proprietary binary format. Products like UC9xx, Unicorn3xxx and Unicorn6xxx accept configuration files in XML format in legacy proprietary binary format. The XML provisioning implementation also allows generic XML configuration file on top of the *MAC* based configuration file.

When Htek IP Phone boots up or reboots, it will issue a request for these configuration files named "factory000x.bin" --> "cfg000x.xml" -->" cfgMAC" --> "cfgMAC.xml ", in which "000x" is the Device Code. Take UC924 for example, the configuration file name should be factory0012.xml. You can refer to the <<Device Type and file list>>. This "MAC" is

the device *Mac* address, for example "cfg001fc10608ab". The configuration file name should be in lower case. The file "cfgMAC" is a proprietary binary format configuration file that must be generated by Htek configuration tools.

Device type,	Device	code	and	file	list:
--------------	--------	------	-----	------	-------

Device Type	Device Code	Device file
	0019	factory0019.bin/cfg0019
	0019	.xml
	0018	factory0018.bin/cfg0018
00901	0018	.xml
	0017	factory0017.bin/cfg0017
00902	0017	.xml
	0016	factory0016.bin/cfg0016
00903	0016	.xml



	0015	factory0015.bin/cfg0015
00313	0013	.xml
	0013	factory0013.bin/cfg0013
00923	0013	.xml
	0012	factory0012.bin/cfg0012
00924	0012	.xml
	0010	factory0010.bin/cfg0010
00920	0010	.xml

Process of Htek products are as follows:

factory000x.bin -----used for factory default configuration for ODM/OEM

cfg000x.xml ----- used for update the common configuration which doesn't include the account information.

cfg001fc1xxxxxx ---- this file is a private format for each device

cfg001fc1xxxxxx.xml-----used for configuration for each device. xml format

Provisioning Flow Chart:





Note: The provisioning program will apply and reload the settings after downloading the new configuration files. It means that a provision/re-direction server can redirect the device to a provision server without reboot. It can also be used to send the XML encryption password.

If factory000x.bin file does not download successfully, the provision program will download the cfg000x.xml file, or download the cfgMAC file. If the cfgMAC file does not download successfully, the provision program will download the cfgMAC.xml file.



2.1 Obtain configuration files

Before provisioning, first you need to obtain the configuration file. There are three CFG template files, cfg000x.xml, cfg\$*mac* and cfgMAC.xml. The cfg000x.xml is a common configuration file which doesn't include the account information. The "*mac*" only takes effect for specific phone. The file name is the 12-digit *mac* address of phone. For example, if the phone's *mac* address is 001fc11a0012, the cfg\$*mac* file name must be cfg001fc11a0012; The cfgMAC.xml file name must be cfg001fc11a0012.xml.

The phone will try to download these CFG files from the server during provisioning.

Note: The IP Phones that in FW 1.0.3.70 or FW after 1.0.3.70 would only recognize CFG files which use UTF-8 or ANSI encoding.

2.2 Obtain phone information

Before provisioning, you need the phone information, like *MAC* address, SIP account of the phone.

MAC Address: The unique 12-digit serial number of the phone. You can obtain it from the back of the phone.

SIP Account Information: It may include SIP credentials, like user name, password and IP address of the SIP server. Contact your system administrator for SIP account information.

2.3 Manage configuration files

Auto provision enables Htek IP Phone to update automatically via downloading configuration files. Before provisioning, you may need to edit and customize your configuration file which is composed of many configuration parameters. A configuration parameter is associated with particular field in the web configuration page. A parameter consists of a Capital letter P and 2 to 5 digit numeric numbers. i.e., P2 is associated with "Admin Password" in the Advanced Page. For detailed parameter list, please refer to (composed of a Capital letter P and 2 to 5 digit numeric numbers. i.e., P2 is associated with "Admin Password" in the Advanced Page. For detailed parameter list, please refer to composed of a Capital letter P and 2 to 5 digit numeric numbers. i.e., P2 is associated with "Admin Password" in the Advanced Page. For detailed parameter list, please refer to composed of 8.

2.4 How to edit cfg000x.xml file

You can customize configuration parameters by editing XML configuration file "cfg000x.xml", and different device would use different file name. you can refer to << How to Edit cfg000x.xml>> in page 40.

2.5 How to edit cfg\$*mac* file

Cfg\$*mac* file is a binary format configuration. It contains configuration parameters which apply to all phone models.

The line beginning with "#" is considered to be the annotation, and easy to understand each P



value.

The parameters commonly edited in the cfg\$mac file are described as follows: ######## ## Configuration template for UC924 firmware version 1.0.3.70 ######## ######## # Account Settings ######## #-----# Account 1--basic setting #-----# Account Active (In Use). 0 - No, 1 - Yes # Number: 0, 1 # Mandatory P271 = {\$line_active. line.1|1} # Primary SIP Server(eg:sip.mycompany.com or IP address) # String P47 = {\$server_host. line.1} # Failover SIP Server (Optional, used when primary server no response) # String P967 = # Second Failover Sip Server (Optional, used when Failover SIP Server no response) P8851 = # Prefer Primary SIP Server (Yes-will register to Primary SIP Server if Failover registration expires) # Prefer Primary SIP Server (In Use). 0 - No, 1 - Yes # Number: 0, 1 # Mandatory P4567 = 0# Outbound Proxy(proxy.myprovider.com, or IP address, if any) # string P48 =

Backup Outbound Proxy (This is Usually Set as IP addr)



P20047 = # SIP Transport # 0 - UDP, 1 - TCP, 2 - TLS P130 = 0# NAT Traversal. 0 - No, 1 - STUN 2 - No, but send keep alive #Number: 0-2 # Mandatory P52 = 2# SIP User ID P35 = {\$username. line.1} # Authenticate ID P36 = {\$username. line.1} # Authenticate password $P34 = \{$ secret. line.1 $\}$ # Name P3 = {\$displayname. line.1} # DNS Mode. 0 - A Record, 1 - SRV, 2 - NAPTR/SRV # Number: 0-2 # Mandatory P103 = 0# User ID Is Phone Number.0 - No, 1 - Yes # Number:0, 1 P63 = 0# SIP Registration. 0 - No, 1 - Yes # Number:0, 1 # Mandatory P31 = 1# Unregister On Reboot.0 - No, 1 - Yes # Number:0, 1 # Mandatory P81 = 1 # Register Expiration (in minutes. default is1 hour, max 45 days)

P32 = 15



Outgoing Call Without Registration.0 - No, 1 - Yes
Number:0, 1
Mandatory
P109 = 1
Local SIP Port (default 5060)
P40 = 5060
Use Random Port.0 - No, 1 - Yes

Number:0, 1 # Mandatory P78 = 0

Voice Mail UserID (UserID for voice mail system)
P33 =

RPort.0 - No, 1 - Yes P136 = 0

RFC 2543 Hold.0 - No, 1 - Yes
P1100 = 1
We offer free Configuration File generator software in both Linux/Unix and Windows platform.
You can refer to << Generate Configuration Files with HLLiteTool >> in the page 45.

2.6 How to edit cfgMAC.xml file

General XML syntax consists of a list of name-value pairs. P-Value is the element and value of the element represents the value for a particular configuration which P-Value represents corresponding.

Method 1:

You need to download cfg.xml file from IP Phone

webpage(Management->Configuration->Download xml file) or download this cfgMAC.xml file from website <u>www.Htek.com</u>, then change the file name to cfgMAC.xml (*mac* is IP Phone address), and open the cfgMAC.xml, See the below screen shot:

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```
<?xml version="1.0" encoding="UTF-8" ?>
<hl provision version="1">
    <mac para="Mac">012345678901</mac>
    <config version="1">
        <!--Account1/Basic-->
        <P271 para="Account1.Active">1</P271>
        <P47 para="Account1.Sipserver" />
        <P967 para="Account1.FailoverSipserver" />
        <P8851 para="Account1.SecondFailoverSipserver" />
        <P4567 para="Account1.PreferPrimaryServer">0</P4567>
        <P48 para="Account1.OutboundProxy" />
        <P130 para="Account1.SipTransport">0</P130>
        <P52 para="Account1.NatTraversal">2</P52>
        <P20000 para="Account1.Lable" />
        <P35 para="Account1.SipUserId" />
        <P36 para="Account1.AuthenticateID" />
        <P34 para="Account1.AuthenticatePassword" />
        <P3 para="Account1.DispalyName" />
        <P103 para="Account1.DnsMode">0</P103>
        <P63 para="Account1.UserIdIsPhoneNumber">0</P63>
        <P31 para="Account1.SipRegistration">1</P31>
        <P81 para="Account1.UnregisterOnReboot">0</P81>
        <P32 para="Account1.RegisterExpiration">15</P32>
        <P109 para="Account1.OutCallWithoutReg">1</P109>
        <P40 para="Account1.LocalSipPort">5060</P40>
        <P78 para="Account1.UseRandomPort">0</P78>
```

The parameters edited in the cfgMAC.xml file are described as follows:

```
<?xml version="1.0" encoding="UTF-8" ?>
<hl_provision version="1">
<mac para="Mac">001fc11a0012</mac>
<config version="1">
<! --Account1/Basic-->
<P271 para="Account1.Active"></P271>
<P47 para="Account1.Active"></P271>
<P47 para="Account1.Sipserver"></P47>
<P967 para="Account1.FailoverSipserver"></P967>
<P8851 para="Account1.FailoverSipserver"></P967>
<P8851 para="Account1.SecondFailoverSipserver"></P8851>
<P4567 para="Account1.PreferPrimaryServer"></P8851>
<P4567 para="Account1.PreferPrimaryServer"></P4567>
<P48 para="Account1.OutboundProxy"></P48>
<P130 para="Account1.SipTransport"></P48>
<P52 para="Account1.NatTraversal"></P52>
<P20000 para="Account1.Lable"></P20000>
```



<P35 para="Account1.SipUserId"></P35> <P36 para="Account1.AuthenticateID"></P36> <P34 para="Account1.AuthenticatePassword"></P34> <P3 para="Account1.DispalyName"></P3> <P103 para="Account1.DispalyName"></P3> <P103 para="Account1.DnsMode"></P103> <P63 para="Account1.UserIdIsPhoneNumber"></P63> <P31 para="Account1.UserIdIsPhoneNumber"></P63> <P31 para="Account1.SipRegistration"></P31> <P81 para="Account1.UnregisterOnReboot"></P81> <P32 para="Account1.RegisterExpiration"></P81> <P32 para="Account1.RegisterExpiration"></P81> <P109 para="Account1.OutCallWithoutReg"></P109> <P40 para="Account1.LocalSipPort"></P40> <P78 para="Account1.UseRandomPort"></P78>

You can edit the value in <> </>field.

For example: The phone's SIP Server is 192.168.0.100, you need to edit the <P47 para="Account1.Sipserver">192.168.0.100</P47>.

If you want to configure others, for example:

```
<P48 para="Account1.OutboundProxy" /> , you need to change it as
```

<P48 para="Account1.OutboundProxy"></P48>, only in this way you can change

the value.

Method 2:

Login phone webpage, configure each item you want (like, account information, programmable keys, firmware upgrade path...). Management ->Configuration, download XML file, then change the name to cfgMAC.xml.



3. Encrypt Configuration Files

Htek Configuration Generator allows user to encrypt the generated configuration file with AES 128-bit encryption. It allows user to choose not to encrypt the configuration file in Windows version, but it is recommended to use encryption for security reason.

3.1 How to encrypt the XML configuration file

The XML configuration file could be encrypted in AES-128-CBC algorithm. The encryption password is defined in P8631 (Management->Auto Provision->Set Common AES Key) of the configuration file.

Set Common AES Key

The Password length is from 1-16, and password must be [0-9, A-F]

THE SHARED IV: 0B1E1D000F0B07091D1F04071F1E0407

The OpenSSL command-line to encrypt the file is as follows:

Openssl enc –e –aes-128-cbc –K <password> -iv 0B1E1D000F0B07091D1F04071F1E0407 –in cfg.xml –out cfgxxxxxxxxxxxx.xml

When the XML configuration file is encrypted in this method, Phone would only be able to decrypt and parse the file if user set the XML Config File Password in P8631 of binary configuration file or in the web UI.

Detailed steps:

[root@WilliamFedora test]# ll	
total 36	-
-rwxrr 1 nobody nobody 34454 2014-03-27 11:12 cfg.x∎l	
[root@WilliamFedora test]# openssl enc -e -aes-128-cbc -K 1234567890 -iv 0B1E1D000F0B07091D1F04071F1E0407 -	
in cfg.xml -out Cfg001fc11a96f4.xml	
[root@WilliamFedora test]#	\sim

THE SHARED IV: 0B1E1D000F0B07091D1F04071F1E0407

Step 2: Put the Cfgxxxxxxxxxxxx.xml under upgrade server path

Step 3: You must set the AES Key: Management \rightarrow Auto Provision: AES Key:

Upgrade Check Mode :	
Always Check For Nev	v Firmware
\odot check new firmware o	nly when F/W pre/suffix changes
O Always Skip The Firm	ware Check
Authenticate Cfg File	🛇 No 💿 Yes 🕜
Set Common AES Key	•••••



4. Customize Resource Files

Htek IP Phone allows to customize some resource files, like ring tone file, language package file and logo files. For how to customize resource files, as follows:

4.1 Customize ring tone

Htek IP Phone has several factory-default ring tones (Ring1, Ring2, Ring3). You can customize Ring4, Ring5, Ring6, Ring7 and Ring8 tone and upload them to the phone via auto provisioning. You can change the ring tone configuration parameter to personalized ring tone: For example: P8721 = 8

```
# Ring Tones
# 0 - default, 1 - Ring1.bin, 2 - Ring2.bin
# 3 - Ring3.bin, 4 - Ring4.bin, 5 - Ring5.bin
# 6 - Ring6.bin, 7 - Ring7.bin, 8 - Ring8.bin
P8721 = 8
```

For more information on customizing ring tone file, please refer to <<u><<u>Making Ringtone Notes>></u> in page 53.</u>

4.2 Customize LCD language

Htek IP Phone supports multiple language, you can modify the language and add a new language to the phone. The following table lists all available languages, associated language files and language template file:

Available language	Associated language files	Language template file
English	(Default, can't be customized)	
French	1_Français(French).xml	
German	2_Deutsch(German).xml	
Spanish	3_Español(Spanish).xml	
Portuguese	4_Português(Portuguese).xml	
Russian	5_pycский(Russian).xml	
Italian	6_Italiano(Italian).xml	LCD_English_Template.x
Polish	7_Polski(Polish).xml	ml
Turkish	8_Türk(Turkish).xml	
Serbian	9_Srpski(Serbian).xml	
ChinesSimplified	10_简体中文(ChineseSimplified).xml	
Slovenian	12_Slovenščina(Slovenian).xml	
Persian	13_Persian(Farsi).xml	



Below picture shows a portion of LCD_English_Template.xml file:

🗏 ICD	English_Template.xm]🛛
1	xml version="1.0" encoding="UTF-8"?
2	<pre><language name="English(English)"></language></pre>
3	<back>Back</back>
4	<option>Option</option>
5	<send>Send</send>
6	<enter>Enter</enter>
7	<delete>Delete</delete>
8	<cancel>Cancel</cancel>
9	<ok>ok</ok>
10	<edit>Edit</edit>
11	<dial>Dial</dial>
12	<switch>Switch</switch>
13	<save>Save</save>
14	<exit>Exit</exit>
15	<none>None</none>
16	<empty>Empty</empty>
17	<add>Add</add>
18	<confirm>Confirm</confirm>
19	<mainmenu>MainMenu</mainmenu>
20	<status>Status</status>
21	<features>Features</features>

English is the default language, you can change configuration parameter to other languages:

```
# LCD Language
# 0 - English, 1 - French, 2 - Spanish, 3 - Portuguese, 4 -
Russian,5 - Polish,6 - Turkish,7 - Serbian,8 - ChineseSimplified
P8621 = 0
```

For more information on customizing an LCD language, please refer to <<u><<LCD Language custom guide>></u> in page 56.

4.3 Customize web language

Htek IP Phone supports multiple language, you can modify the language and add a new language to the phone's webpage. The following table lists all available languages, associated language files and language template file:

Available	associated language files	language template file
language		
English	(Default, can't be customized)	
German	2_German.js	Web_English_Template.js
Portuguese	4_ Portuguese.js	

El-Itek	Customize Resource Files
Italian	6_Italian.js
Polish	7_Polish).js
ChinesSimplified	10 ChineseSimplified.js

Below picture shows a portion of Web_English_Template.xml file:

			1.171
🔚 Web	_English	_lempiate	. 1944

1	早/*
2	<script>document.write(jscs.str_in_webpage);</script>
3	L*/
4	₽jscs = {
5	"logout":"logout",
6	"statusstatu":"Home",//"Status",
7	"account":"Account",
8	"network":"Network",
9	"dsskey":"Function Keys",
10	"phone" :"Setting",
11	"contacts":"Directory",
12	"security":"Management",
13	11
14	"status":"Status",
15	"account_basic":"Basic",
16	"codec": "Codec",
17	"advanced":"Advanced",
18	"memory_key":"Memory Key",
19	"line_key":"Line Key",
20	"programmable_key":"Programmable Key",
21	"exp_key":"EXP KEY",

English is the default language, you can change configuration parameter to other languages:

```
# Web Language
# 0 - English, 1 - Portuguese, 2 - Polish, 3 - ChineseSimplified
P2525 = 0
```

For more information on customizing web language file, please refer to << Web Language custom guide>> in page 58.

4.4 Customizing wallpaper

You can customize Htek UC923/UC924/UC926 IP phones' wallpaper.

Below table shows wallpaper's format and resolution for UC923/UC924/UC926 IP phones:

Phone model	photo	resolution	One file	Photo
	format		size	number
UC923	.jpg	320*240	<=2M	3
UC924	.jpg	480*320	<=2M	4
UC926	.jpg	480*272	<=2M	6



Wallpaper2 is default wallpaper, you can change configuration parameter to other wallpaper:

```
# Wallpaper
# 0 -Wallpaper1,1 -Wallpaper2,2 -Wallpaper3,3 -Wallpaper4,4
-Wallpaper5,5 -Wallpaper6
P8660 = 1
```

For more information on customizing wallpaper, please refer to <<<u>LCDand Web GUI custom Guide >></u> in page 60.

4.5 Customizing screensaver

You can customize Htek UC923/UC924/UC926 IP phones' screensaver.

Below table shows wallpaper's format and resolution for UC923/UC924/UC926 IP phones:

Phone model	photo	resolution	One file	Photo
	format		size	number
UC923	.jpg	320*240	<=2M	3
UC924	.jpg	480*320	<=2M	4
UC926	.jpg	480*272	<=2M	6

Screensaver default is Off, you can change configuration parameter to activate the Screensaver :

```
# ScreenSaver Type
# 0 - time & logo, 1 - photo switch,2 - ScreenSaver Photo1,3 -ScreenSaver Photo2,4 -ScreenSaver Photo3
P8950 = 0
```

For more information on customizing screensaver, please refer to <<LCDand Web GUI custom Guide >> in page 61.

4.6 Customizing weblogo

You can customize Htek all phone models' weblogo on webpage.

Phone model	photo format	resolution	File size
UC601/UC901/UC902/UC903/U	.jpg	225*93	<=2M
C913/UC923/UC924/UC926			

For more information on customizing weblogo, please refer to << LCDand Web GUI custom Guide >> in page 61.

5. Upgrade resource files

Htek IP phone supports upgrade resource files through URL (support HTTP(s) server). The files contain hlpres.tar, Language.tar, ring4.bin, ring5.bin, ring6.bin, ring7.bin, ring8.bin, exp_pres.tar, Screensaver and wallpaper. For how to configure these files URL as follow:



5.1 How to configure URL for hlpres.tar

You can change the hlpres server configuration parameter to locate the file: P20176=http(s)://192.168.0.254/hlpres.tar

5.2 How to configure URL for Language.tar

You can change the Language server configuration parameter to locate the file: P20175=http(s)://192.168.0.254/Language.tar

5.3 How to configure URL for exp_pres.tar

You can change the exp_pres server configuration parameter to locate the file: P20177=http(s)://192.168.0.254/exp_pres.tar

5.4 How to configure Path for ringx.bin

You can change the Ring server configuration Path, and IP Phone will get the files: ring4.bin, ring5.bin, ring6.bin, ring7.bin, ring8.bin automatically: P20174=http(s)://192.168.0.254

5.5 How to configure URL for Screensaver

This parameter is only applicable to UC923, UC924,UC926 You can change the Screensaver server configuration to locate the file: P20051=http(s)://192.168.0.254/Screensaver.png Note: 1. screensaver file phone gets from server will cover the screensaver photo1

2. Only support format .png.

5.6 How to configure URL for Wallpaper

You can change the Wallpaper server configuration to locate the file: P20052=http(s)://192.168.0.254/wallpaper.png Note: 1. Wallpaper file phone gets from server will cover the wallpaper6

2. Only support format .png.



6. Upgrade Firmware

Version number and support files list:

1.0.3.58-1.0.3.72	1.0.3.73 or later
boot_9xx.bin	fw9xx.rom
img_9xx.bin	
hlpres.tar	
Language.tar	
ring4.bin	
ring5.bin	
ring6.bin	
ring7.bin	
ring8.bin	

Note:

When the phone which version is 1.0.3.71 or older upgrade to 1.0.3.73, phone will upgrade img_9xx.bin then automatically upgrade fw9xx.rom. fw9xx.rom is all-in-one firmware file. After upgrade to the 1.0.3.73 firmware, in the next time, phone will only need upgrade one file fw9xx.rom.

6.1 Configuring HTTP Server

Htek IP Phone supports using FTP, TFTP, HTTP and HTTPS protocols to obtain the address of provision server. Default way is HTTP. For how to configure a HTTP server, as follows:

You can download a free HTTP server from *http://httpd.apache.org/* or use Microsoft IIS web server. Then setup HTTP server.

For more information on how to configure TFTP,FTP and HTTPS servers, please refer to <u>Upgrade</u> <u>through TFTP</u> in page 63, <u>Upgrade through FTP</u> in page 66 and <u>Upgrade through HTTPS</u> in page 67.

6.2 How to Configuring HTTP Server

Login webpage, Management"-> "auto provision" ->" Firmware Upgrade"-> "Upgrade Mode" needs to be set to HTTP. "Firmware Server Path" needs to be set to be a valid URL of a HTTP server, server name can be in either FQDN or IP address format. Below are examples of some valid URLs.

e.g. firmware.mycompany.com:5688/Htek

e.g. www.mycompany.com:5688/fm/Htek

e.g. 218.2.83.110

Below are Instructions for FW upgrade via HTTP:

(1) You can download a free HTTP server from http://httpd.apache.org/ or use Microsoft IIS web server. Then setup HTTP server.

(2) Unzip the firmware file and put the files under the root/fm directory of the HTTP server.

(3) Visiting "HTTP:\\192.168.0.254\fm\fw924.rom on localhost by browser" to verify the HTTP Server. If visiting "HTTP: \\192.168.0.254\fm\fw924.rom on another computer is no prompt to download fw924.rom file, please check the firewall (Suggest to close the firewall).



Upgrade Firmware

(4) Change the setting of UC9xx (192.168.0.254 is HTTP server):

Password	Firmware Upgrade
Upgrade	Upgrade Mode O TFTP O FTP O HTTPS
Auto Provision	Firmware Server Path 192. 168. 0. 254/fm
Configuration	Config Server Path 192. 168. 0. 254/cfg
TLS Certs	Allow DHCP Option 128 To Override Server: O No O Yes
Postart	AUTO Upgrade: O No (Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName HTTP Server username
Reboot	HTTP/FTP/HTTPS Password
	Upgrade Check Mode :
	Always Check For New Firmware

Click "SaveSet".

(5) Restart the UC9xx, IP Phone will restart and automatically get firmware files from HTTP server. **NOTES:**

(1) We recommend you to use Htek HTTP server, or you can also use your own TFTP/HTTP/FTP/HTTPS server for upgrade and provisioning procedures.



(2) You need to update the settings and restart the IP Phone after "Firmware Server Path" is set. If the configured firmware server is found and a new code image is available, UC9xx IP Phone will attempt to retrieve the new image files by downloading them into the UC9xx's SDRAM. During this stage, the phones LEDs will blink more frequent until the checking/downloading process is finished. Upon verification of checksum, the new code image will be saved into the Flash. If TFTP/HTTP/FTP/HTTPS fails for any reason (e.g. TFTP/HTTP/FTP/HTTPS server is not responding, there are no code image files available for upgrade, or checksum test fails, etc.), the phone will stop the TFTP/HTTP/FTP/HTTPS process and simply boot using the existing code image in the flash.

(3) Firmware upgrade takes 3 to 8 minutes over Internet, or just 1 minute on a LAN. We recommend you to upgrade the FW in a controlled LAN environment.

7. Obtain Provisioning Server's Address

Htek IP Phone supports to obtain the provisioning server address in below 3 ways:

- Plug and Play (PnP) Server
- DHCP Options
- Phone Flash

The priority of obtaining the provisioning server address: PNP Server (SIP PnP MCAST) --> DHCP Option 128 or 150 or 66 --> Configuration in Flash.

1) The PNP Server feature is enable default.

2) Setting of "DHCP Option 128 or 150 or 66":

Webpage --> Management --> Auto Provision --> Allow DHCP Option (128 or 150 or 66) To Override Server: No/Yes

If you set "Yes", the Phone will obtain the provisioning server address from the DHCP Option (128). For examples:

Firmware Upgrade	
Upgrade Mode	© TFTP
Firmware Server Path	192.168.0.254/fm
Config Server Path	192.168.0.254/cfg
Allow DHCP Option 128	To Override Server: 🔘 No 💿 Yes

DHCP option 128 is tftp://192.168.1.240/cfg, the phone will get the configuration file from 192.168.1.240/cfg through TFTP protocol.

If the default setting is:

	Allow DHCP Option	66	To Override Server:	© No	Yes
--	-------------------	----	---------------------	------	-----

DHCP option 66 is http://192.168.1.240/cfg, the phone will get the configuration file from 192.168.1.240/cfg through HTTP protocol.

Configuration in Flash.

If you set "No", or don't set DHCP option 128/66/150 in your DHCP server, the phone will obtain the provisioning server address from the setting "Config Server Path".



For examples, when the setting is:

• Firmware Upgrade	
Upgrade Mode	© TFTP
Firmware Server Path	192.168.0.254/fm
Config Server Path	192.168.0.254/cfg
Allow DHCP Option 66	To Override Server: 💿 No 💿 Yes

The phone will get the configuration file from 192.168.0.254/cfg through HTTP protocol. **Note: Y**ou can set the phone to automatically upgrade every certain time:



• Firmware Upgrade	
Upgrade Mode	© TFTP
Firmware Server Path	192.168.0.254/fm
Config Server Path	192.168.0.254/cfg
Allow DHCP Option 128	To Override Server: 💿 No 💿 Yes
AUTO Upgrade: 💿 No 💿 Yes;	check for upgrade every 10080 Minutes

The phone will check the configuration file and the firmware every 10080 minutes (7 days). If there are the new cfg files or the new firmware, the phone will upgrade automatically.

8. Update mode

Update mode sets the desired time frames for phone to perform the auto provisioning process. Below is the introduction of the 3 updating modes in detail:

- Power On
- Repeatedly
- SIP NOTIFY Message

Power On

Power On mode is set as default. The phone will perform auto provisioning process when it is power on.

Repeatedly

The phone performs auto provisioning process at a regular interval. You can configure the interval for the Repeatedly mode. The default interval is 10080 minutes.

To activate the Repeatedly mode via web user interface:

1.Click the Management->Auto Provision:

2.AUTO Upgrade set Yes :

Password	Firmware Upgrade
Upgrade	Upgrade Mode O TFTP I HTTP O FTP O HTTPS
Auto Provision	Firmware Server Path 192. 168. 0. 254/fm
Configuration	Config Server Path 192. 168. 0. 254/cfg
TLS Certs	Allow DHCP Option 128 To Override Server: O No Yes
Tools	AUTO Upgrade: O No O Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS Password
Reboot	Firmware/Config File Prefix

3. Click the "SaveSet" button to saver the change.



SIP NOTIFY Message

The phone will perform auto provisioning process when receiving a SIP NOTIFY message which contains the header "Event: check-sync". If the header of the SIP NOTIFY message contains an additional string "reboot=true", the phone will reboot immediately and then perform the auto provisioning process. For this update mode, it requires the server supports.

Below picture shows the message flow:



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9. Download and Verify Configurations

9.1 Download configuration files

Once obtaining a provisioning server address in one of the ways introduced above, the phone will connect to the provisioning server and download configuration files. During the auto provisioning process, the phone will try to download the common configuration file cfg000x.xml firstly, and then try to download the cfgMAC.xml file from the provisioning server.

9.2 Resolve and Update configurations

The phone will resolve the configuration files after downloading, then updates the configurations to the phone flash. Generally, the phone will reboot to make the configurations effective after the auto provisioning process is finished.

9.3 Verify configurations

You can verify the update via phone user interface after auto provisioning, or you can verify it via web user interface

During the auto provisioning process, you can monitor the downloading requests and response messages by a wireshark tool.

Some examples show as follows:

Example1: Htek UC924P IP Phone downloads configuration files from TFTP server.

TFTP.pc	apng						
File Edit	View Go Capture	Analyze Statis	tics Telephony	Help			
	۹ 🎼 🔝 🛞	🗢 🔿 聲 👔	🗄 🗐 🔍 Q	Q. 🎹			
☆ tftp							× → -
No.	Time	Source	Destination	Protocol	Length	Info	-
3	3550 209.203712	192.168.0	192.168.0	TFTP		66 Read Request, File: factory0000.bin, Transfer type: octet	
	3554 209.210590	192.168.0	192.168.0	TFTP		78 Error Code, Code: File not found, Message: TFTP Error: File does not exist	
3	3556 209.215158	192.168.0	192.168.0	TFTP		63 Read Request, File: /cfg0000.xml, Transfer type: octet	
3	3558 209.222694	192.168.0	192.168.0	TFTP		78 Error Code, Code: File not found, Message: TFTP Error: File does not exist	
3	3560 209.228250	192.168.0	192.168.0	TFTP		67 Read Request, File: 001fc11aaa48.cfg, Transfer type: octet	
3	3561 209.235731	192.168.0	192.168.0	TFTP		78 Error Code, Code: File not found, Message: TFTP Error: File does not exist	
3	3564 209.238342	192.168.0	192.168.0	TFTP		67 Read Request, File: /cfg001fc11aaa48, Transfer type: octet	
3	3567 209.244327	192.168.0	192.168.0	TFTP		558 Data Packet, Block: 1	
	3568 209.245540	192.168.0	192.168.0	TFTP		60 Acknowledgement, Block: 1	-
Frame	3564: 67 bytes	on wire (536	bits), 67 by	tes captur	ed (536 bits) on interface 0	
> Etherr	net II, Src: Han	longT_1a:aa:4	48 (00:1f:c1:	1a:aa:48),	Dst: Dell_5	7:f9:e3 (b0:83:fe:57:f9:e3)	
Interr	net Protocol Ver	sion 4, Src:	192.168.0.10	8 (192.168	.0.108), Dst	: 192.168.0.165 (192.168.0.165)	
⊳ User D)atagram Protoco	1, Src Port:	41029 (41029), Dst Por	t: 69 (69)		
Trivia	al File Transfer	Protocol					
0000 h0	83 fe 57 f9 e3	00 1f c1 1a	aa 48 08 00	45 00	W H	F	
0010 00	35 00 00 40 00	40 11 68 56	c0 a8 00 6c	c0 a8 .	5@.@V	.1	
0020 00	a5 a0 45 00 45	00 21 f1 d9	00 01 2f 63	66 67 .	E.E.I,	/cfg	

0030	30	30	31	66	63	31	31	61	61	61	34	38	00	6f	63	74	001fc11a	aa48.oct
0040	65	74	00														et.	

TFTP. pcapng

|| Packets: 4400 · Displayed: 88 · Marked: 0 · Load time: 0:0.409|| Profile: Default

Example2: Htek UC924P IP Phone downloads configuration files from FTP server .



ile Edit	Minu Co Conture						
1 = 4	view Go Capture	Analyze Statis	tics Telephony	Help			
	• • • • • • •	** **	1 E Q Q	Q. II			
7 ftp							X → •
0.	Time	Source	Destination	Protocol	Length Inf	0	
	889 37.654715	192.168.0	192.168.0	FTP	85 Re	sponse: 200 Type set to I	
	890 37.656902	192.168.0	192.168.0	FTP	72 Re	quest: PASV	
	891 37.657426	192.168.0	192.168.0	FTP	117 Re	sponse: 227 Entering Passive Mode (192,168,0,240,237,138)	
	895 37.667045	192.168.0	192.168.0	FTP	88 Re	quest: RETR cfg001fc11aaa48	
	896 37.667589	192.168.0	192.168.0	FTP	144 Re	sponse: 150 Opening data channel for file download from server of "/cfg001fc11aaa48"	
	898 37.668082	192.168.0	192.168.0	FTP	115 Re	sponse: 226 Successfully transferred "/cfg001fc11aaa48"	
	921 37.688211	192.168.0	192.168.0	FTP	72 Re	quest: QUIT	
	922 37.688368	192.168.0	192.168.0	FTP	79 Re	sponse: 221 Goodbye	=
E41-	Transfer Protoco	I (FTP)					
FILE		. ()					
FIIE							
)00 a	4 1f 72 67 1c b4	00 1f c1 1a	aa 48 08 00	45 00rg	НЕ.		
000 a	4 1f 72 67 1c b4 0 4a 4e c0 40 00	00 1f c1 1a 40 06 69 41	aa 48 08 00 c0 a8 00 6c	45 00rg c0 a8 .JN.	HE. @.@. 1A1.		
000 a 010 0 020 0	4 1f 72 67 1c b4 0 4a 4e c0 40 00 0 f0 af 34 00 15	00 1f c1 1a 40 06 69 41 7c e2 3a 6c	aa 48 08 00 c0 a8 00 6c 28 33 46 2f	45 00rg c0 a8 .JN. 80 184	HE. @.@. iA1 . :1(3F/		
000 a 010 0 020 0 030 0	4 1f 72 67 1c b4 0 4a 4e c0 40 00 0 f0 af 34 00 15 b 68 ec 23 00 00 5 4 52 45 45 45	00 1f c1 1a 40 06 69 41 7c e2 3a 6c 01 01 08 0a 20 63 66 67	aa 48 08 00 c0 a8 00 6c 28 33 46 2f 00 8b 75 02	45 00rg c0 a8 .JN. 80 184 00 70 .h.#	HE. 		
000 a 010 0 020 0 030 0 040 e 050 3	4 1f 72 67 1c b4 9 4a 4e c0 40 00 0 f0 af 34 00 15 b 68 ec 23 00 00 b 3f 52 45 54 52 1 61 61 61 34 38	00 1f c1 1a 40 06 69 41 7c e2 3a 6c 01 01 08 0a 20 63 66 67 04 0a	aa 48 08 00 c0 a8 00 6c 28 33 46 2f 00 8b 75 02 30 30 31 66	45 00rg c0 a8 .JN. 80 184 00 70 .h.# 63 31 .?RE	HE. 		
000 a 010 0 020 0 030 0 040 e 050 3	4 1f 72 67 1c b4 0 4a 4e c0 40 00 0 f0 af 34 00 15 6 8e c 23 00 00 b 3f 52 45 54 52 1 61 61 61 34 38	00 1f c1 1a 40 06 69 41 7c e2 3a 6c 20 63 66 67 0d 0a	aa 48 08 00 c0 a8 00 6c 28 33 46 2f 00 8b 75 02 30 30 31 66	45 00rg c0 a8 .JN. 80 184 00 70 .h.# 63 31 .?RE 1aaa	HE. ⊕.@. 1A1 		

Example3: Htek UC924P IP Phone downloads configuration files from HTTP server .

A Capturing from 本地连接*	
File Edit View Go Capture Analyze Statistics Telephony Help	
🖌 🔳 🧷 🕲 📙 🚵 🗙 🍳 👄 🕸 🖉 🖉 💭 🚍 Q. Q. Q. X	
∆ http 8% ip. addr == 192, 168.0.143	X -> -
No. Time Source Destination Protocol Length Info	
344 6.916634 192.168.0. 192.168.0. HTTP 547 HTTP/1.0 200 0K (JPEG JETE image)	
669 36.408471 192.168.0 192.168.0 HTTP 226 GET /HTTP/config/factory0000.bin HTTP/1.1	
676 36.417097 192.168.0 192.168.0 HTTP 66 HTTP/1.1 404 Not Found (text/html)	
685 36.425248 192.168.0 192.168.0 HTTP 226 GET /HTTP/config/config/cfg001fc11a8b7f HTTP/1.1	
715 36.451529 192.168.0 192.168.0 HTTP 494 HTTP/1.1 200 0K (application/octet-stream)	+
▷ Frame 685: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0	
Ethernet II, Src: HanlongT_1a:8b:7f (00:1f:c1:1a:8b:7f), Dst: HewlettP_3e:5a:dc (6c:3b:e5:3e:5a:dc)	
Internet Protocol Version 4, Src: 192.168.0.148 (192.168.0.148), Dst: 192.168.0.86 (192.168.0.86)	
Fransmission Control Protocol, Src Port: 33738 (33738), Dst Port: 8080 (8080), Seq: 1, Ack: 1, Len: 160	
▷ Hypertext Transfer Protocol	
0000 6c 3b e5 3e 5a dc 00 1f c1 1a 8b 7f 08 00 45 00 1:	
0010 00 d4 bd 2a 40 00 40 06 fa be c0 a8 00 94 c0 a8*@.@	
0020 00 56 83 ca 1f 90 66 8d aa 2b 59 f0 3f 04 80 18 .Vf+Y.?	
0030 0b 68 eb cc 00 00 01 01 08 0a 00 0b 17 03 00 a1 .h	
0040 08 70 47 45 54 20 2f 48 54 54 50 2f 63 6f 6e 66 .pGET /H TTP/conf	
0050 69 67 2f 63 6f 6e 66 69 67 2f 63 66 67 30 30 31 ig/confi g/cfg001	
00060 66 63 31 31 61 38 62 37 66 20 48 54 59 27 31 fc11a87 f HTTP/1	
00/0 2 2 31 00 00 40 0T /3 /4 30 20 31 39 32 2 2 31 30 3.1.HOST : 192.10	
0000 50 22 30 22 30 30 00 00 3 33 30 50 72 20 41 50 70 50 6.0.001. USET-ABE	
	+
🔘 Ready to load or capture 🛛 Ready to load or capture	ofile: Default



10. Firmware and Configuration File Prefix and Postfix

Htek IP Phone support Prefix and Postfix for both firmware and configuration files.

Parameter P232 and P233 are for Prefix and Postfix for Firmware, respectively. Parameter

P234 and P235 are for Prefix and Postfix for Configuration file, respectively.

Firmware Prefix and Postfix allows device to download the firmware name with the matching Prefix and Postfix.

In addition, when Parameter P238 (Check New Firmware only when F/W pre/suffix changes) is set to 1, the device will only issue the Firmware Upgrade request if there are changes in the firmware Prefix or Postfix.

Below are the firmware BASIC NAMES that are related to UC924P:

If the firmware version is earlier than 1.0.3.73, the firmware BASIC NAMES as follows:

- boot_924.bin
- img_924.bin
- ring4.bin
- ring5.bin
- ring6.bin
- ring7.bin
- ring8.bin
- Language.tar
- hlpres.tar

Service provider can use "hl_" as prefix, and "_1.0.3.70" as postfix, the above files will be changed to:

- hl_boot_924.bin_1.0.3.70
- hl_img_924.bin_1.0.3.70
- hl_ring4.bin_1.0.3.70
- hl_ ring5.bin_1.0.3.70
- hl_ ring6.bin_1.0.3.70
- hl_ ring7.bin_1.0.3.70
- hl_ ring8.bin_1.0.3.70
- hl_ Language.tar _1.0.3.70
- hl_ hlpres.tar _1.0.3.70



Firmware Server and Configuration File Server

If the firmware version is 1.0.3.73 or later than 1.0.3.73, the firmware BASIC NAME as follows:

• fw924.rom

Service provider can use "hl_" as prefix, and "_1.0.3.73" as postfix, the above files will be changed to:

hl_ fw924.rom _1.0.3.73

In this way, all of the firmware with different version could be stored in one single directory, and they could be differentiated by using prefix or postfix, i.e., all files with a postfix of "_1.0.3.73" belong to the firmware version 1.0.3.73.

Same rule applies to configuration files, i.e., for configuration file named "cfg001fc1001708", there could be 3 versions: "hl_ cfg001fc1001708_cfg001", "hl_ cfg001fc1001708_cfg002", and "hl_ cfg001fc1001708_cfg003". The BASIC NAME of the configuration file is "cfg001fc1001708", but there are 3 different versions, the one that will be accepted is the one with matching prefix and postfix specified in the current configuration.

11. Firmware Server and Configuration File Server

Beside the Prefix and Postfix for firmware and configuration files, different server paths for firmware upgrade or Configuration File Server can be specified in different FQDN, i.e.:

• Firmware Upgrade	
Upgrade Mode	© TFTP
Firmware Server Path	192.168.0.254/fm
Config Server Path	192.168.0.254/cfg

The parameters are P192 and P237 for Firmware and Config Server

12. Manage Firmware and Download Configuration File

When parameter P194 (Auto Upgrade) is set to 1, Service Provider can use P193 (Auto Check Interval) to have the devices periodically check with either Firmware Server or Config Server, whenever they are defined. This allows the device periodically check if there are any new changes need to be taken on a scheduled time. By defining different intervals in P193 for different devices, Service Provider can distribute the Firmware or Configuration File download schedule to reduce the Firmware or Provisioning Server load at any given time.



13. Pre_Configuration and Configuration Redirection

Please note: If your phone default setting is as below:

 Firmware Upgrade 			
Upgrade Mode	© TFTP ●	HTTP © FTP	© HTTPS
Firmware Server Path	192.168.0.28	254/fm	
Config Server Path	192.168.0.2	254/cfg	

Currently Htek Phone does not support pre_configuration and configuration

Redirection, please refer to section 6 in page24.

For mass deployment, we provide TFTP/HTTP redirection service. By default, all Htek products point to our provisioning system. When a unit is powered up, it will automatically contact our provisioning server. Our provisioning server will redirect the unit to customer's TFTP/FTP/HTTP/HTTPS server. The unit will reboot and send further provisioning request to ask for configuration file (or firmware file) from customer's TFTP/FTP/HTTP/HTTP/HTTPS server.

Below is the information that we need from service providers for TFTP/HTTP redirection:

- 1. MAC address range, this should be printed on the carton box
- 2. Your TFTP/FTP/HTTP/HTTPS server IP address
- 3. Your company name and address

Here are the things that service providers should do:

- 1. Create configuration files for all the devices and put them on your TFTP/HTTP server
- 2. Download the latest official release from http://www.htek.com (support/firmware) and put them on your TFTP/FTP/HTTP/HTTPS server (same directory as above)
- 3. After we inform you that the devices have been entered into our central provisioning database, please take out a few devices to test. Upon powering up, they should contact our provisioning server fm.htek.com first, and then get redirected to your TFTP/FTP/HTTP/HTTPS server and pull out the configuration files and the firmware files. They will be upgraded to the latest firmware with your configurations.



14. Automatic Provisioning Within LAN

Htek products support DHCP Option 66 or 128 or 150 for automatic provisioning within a Local Area Network. The provisioning server URL is embedded inside standard option 66 or 128 or 150 of DHCP responses.

Htek IP Phones send DHCP DISCOVER with the following information:

No	. Time	Source	Destination	Protocol	Length	Info				
	5223 71.41395	60 0.0.0.0	255.255.255.255	DHCP	590) DHCP	Discover	- Transaction	ID	0x9998bd5
	5224 71.41396	80192.168.0.254	255.255.255.255	DHCP	389	DHCP	Offer	- Transaction	ID	0x9998bd5
	5225 71.41800	400.0.0.0	255.255.255.255	DHCP	59() DHCP	Request	- Transaction	ID	0x9998bd5
	5226 71.41801	40192.168.0.254	255.255.255.255	DHCP	389	DHCP	ACK	- Transaction	ID	0x9998bd5
<										
		., <u>.</u> , <u>.</u> , ., ., ., ., ., ., ., ., ., ., ., ., .,								
	Next server	TP address: 0.0	.0.0 (0.0.0.0)							
	- 7									
	Relay agent	IP address: 0.0	.0.0 (0.0.0.0)							
	Client MAC	address: Hanlong	T_1a:96:e4 (00:1f:c1:1a	a:96:e4)						
	Client hard	ware address pad	ding: 000000000000000000	0000						
	Server host	name not given								
	Boot file n	ame not given								
	and a shall d									
	мадтс соокт	e: DHCP								
0	040 00 00 00 0	00 00 00 00 1f	c1 1a 96 e4 00 00 00 00)						
١ŏ										
18			$ \begin{array}{cccccccccccccccccccccccccccccccccccc$							

DHCP Server can be configured to send the following information in its DHCP OFFER. Please notice that in this example, an HTTP://URL is provided in the Option 66 "TFTP Server Name" field or Option 128 "TFTP server IP address" or Option 150 "TFTP server address". Device will then issue HTTP requests instead of the traditional TFTP requests to the server. This design makes more flexible in device provisioning.

No.	Time	Source	Destination	Protocol	Length	Info				
	3299 34.74598	400.0.0.0	255.255.255.255	DHCP	590	DHCP	Discover	- Transaction	ID	0x5644dd47
	3433 37.25143	40192.168.0.254	255.255.255.255	DHCP	389	DHCP	offer	- Transaction	ID	0x5644dd47
	3434 37.25411	.00 0.0.0.0	255.255.255.255	DHCP	590	DHCP	Request	- Transaction	ID	0x5644dd47
	3435 37.25412	10 192.168.0.254	255.255.255.255	DHCP	389	DHCP	ACK	- Transaction	ID	0x5644dd47
<	6									
-	a operon. Coo		ane							
		8) DOCSIS tull s	ecurity server IP TOD	51						
	Length: 2 Value: 74 ⊡ Option: (25	7 6674703a2f2f3139 5) End	322e3136382e302e38362f(636f6e66						
0.1	40.00.00.04	-0 -0 00 01 00	AD 4- AD AD A1 AD AD A	~						
01	.40 00 03 04 50 08 75 04		08 da U2 87 UL U8 U8 U8	5 2 W _ B	107 1691					
01	60 2e 30 2e	32 35 34 00 80	1b 74 66 74 70 3a 2f 2f	.0.254.	.tftp://					
01	70 31 39 32	2e 31 36 38 2e	30 2e 38 36 2f 63 6f 66	192.168.	0.86/con					
01	.80 66 69 67	00 ff		fig.						
	1 Bootp/Dhcp o	ption type (bootp.optic	n.ty Profile: Default	1						

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Troubleshooting

15. Troubleshooting

This part provides guidance to help you solve problems you might encounter when deploying phones. If you require additional information or assistance with the deployment, please contact your system administrator.

Why does the phone fail to download configuration files?

- Ensure that auto provisioning feature is configured properly.
- Ensure that the provisioning server and network are reachable.
- Ensure that authentication credentials configured on the phone are correct.
- Ensure that configuration files exist on the provisioning server.

Why does the provisioning server return HTTP 404?

- Ensure that the provisioning server is properly set up.
- Ensure that the access URL is correct.
- Ensure that the requested files exist on the provisioning server.

Why does the phone display "Network Down"?

- Ensure that the Ethernet cable is plugged into the Internet port on the phone and the Ethernet cable is not loose.
- Ensure that the switch or hub in your network is operational.
- Ensure that the configurations of network are properly set in the configuration files.

Why is the permission denied when uploading files to the root directory of the FTP server?

- Ensure that the complete path to the root directory of the FTP server is authorized.
- Check security permissions on the root directory of the FTP server, if necessary, change the permissions.

Why doesn't the phone obtain the IP address from the DHCP server?

- Ensure that settings are correct on the DHCP server.
- Ensure that the phone is configured to obtain the IP address from the DHCP server.

Why doesn't the phone display the Language, only display English on LCD and Web?

- Ensure that the name of the language is correct.
- Ensure that the network is available and the root directory is right for downloading.
- Ensure that the parameters are correctly set in the configuration files.
- Ensure that the language's Coding format is UTF-8.

Why doesn't the phone display the wallpaper or ScreenSaver or the weblogo of webpage?

- Ensure that the file format of the wallpaper, ScreenSaver and weblogo is *.jpg.
- Ensure that the size of the wallpaper, ScreenSaver and weblogo file is not larger than that the phone supports, or check the hlpres.tar is not larger than 2M
- Ensure that the name of the wallpaper, ScreenSaver and weblogo are correct.
- Ensure that the network is available and the root directory is right for downloading.
- Ensure that the wallpaper, ScreenSaver and weblogo files in the hlpres.tar file.

Why doesn't the phone update configurations?

- Ensure that the configuration files are different from the last ones.
- Ensure that the phone has downloaded the configuration files.



• Ensure that the parameters are correctly set in the configuration files.



16. Glossary

MAC Address: A Media Access Control address (*MAC* address) is a unique identifier assigned to network interfaces for communications on the physical network segment.

DHCP: Dynamic Host Configuration Protocol (DHCP) is a network configuration protocol for hosts on Internet Protocol (IP) networks. Computers that are connected to IP networks must be configured before they can communicate with other hosts.

FTP: File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one host to another host over a TCP -based network, such as the Internet. It is often used to upload web pages and other documents from a private development *mac*hine to a public web-hosting server.

HTTP: The Hypertext Transfer Protocol (HTTP) is an application protocol for distributed, collaborative, hypermedia information systems. HTTP is the foundation of data communication for the World Wide Web.

HTTPS: Hypertext Transfer Protocol Secure (HTTPS) is a combination of Hypertext Transfer Protocol (HTTP) with SSL/TLS protocol. It provides encrypted communication and secure identification of a network web server.

TFTP: Trivial File Transfer Protocol (TFTP) is a simple protocol to transfer files. It has been implemented on top of the User Datagram Protocol (UDP) using port number 69.

AES: Advanced Encryption Standard (AES) is a specification for the encryption of electronic data.

URL: A uniform resource locator or universal resource locator (URL) is a specific character string that constitutes a reference to an Internet resource.

XML: Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and *mac*hine-readable.



17. How to Edit cfg000x.xml

When Htek device boots up or reboots, it will generate a request for a XML configuration file named "cfg000x.xml". It is a common configuration, all Htek device can get this configuration file. Then Htek device will request for a binary format configuration file named "cfgMAC" and another XML configuration file named "cfgMAC.xml", in which "*MAC*" is the *MAC* address of the device. Configuration files cfgMAC and cfgMAC.xml can only be obtained from Htek device which has *mac* address.



You can customize configuration parameters by editing XML configuration file "cfg000x.xml", and different device would use different file name.

Device Type		file name
UC601	>	cfg0019
UC901	>	cfg0018
UC902	>	cfg0017
UC903	>	cfg0016
UC913	>	cfg0015
UC923	>	cfg0013
UC924	>	cfg0012
UC926	>	cfg0010

For example, if you have a Htek device UC926 and you want to configure its memory key 1 as BLF to monitor extension 1002, you can realize this by following two methods.

1.Create a new XML file and add configuration parameters.

Step 1: Create a new XML file entitle it as cfg0000.xml. If your Htek device is UC924P, you should entitle it as cfg0002.xml



Step 2: Login webpage, find out Web Setting Path of memory key1. Function Keys-Memory Key-Key1



Manage Firmware and Download Configuration File

	Hon	ne	Account	Network	Functio	on Keys	Setting Di	irectory Management
Line Key	Memory Key		Туре	Valu	e	Account	Pickup Code	NOTE
Memory Key	Key1	N/A	-	301	[Account 1 💌	301	Key Type:
rogrammable Key	Key2	N/A	-		A	Account 1 🔻		The free function key Type Spee
EXP KEY	Key3	N/A	•		A	Account 1 💌		Dial, BLF, Key Event, intercom, OK
	Key4	N/A	•		A	Account 1 🔻		BLF:
	Key5	N/A	•		A	Account 1 💌		BLF setting require a phone rest
	Key6	N/A	•		A	Account 1 💌		
	Key7	N/A	•		A	Account 1 💌		
	Key8	N/A	•		A	Account 1 💌		
	Key9	N/A	•		A	Account 1 💌		
	Key10	N/A	•		A	Account 1 💌		

Step 3: Refer to << parameter list >>, you can get detailed description of this parameter.

		L	1	1
Function K	(eys->	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 -	P42200₽
Memory Ke	y ->		BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group	
Memory	key		Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 -	
1->Type			Frefix, 12 - Local Group, 13 - XML Group, 14 - XML	
			Browser, 15 - LDAP, 16 - BroadSoft Group, 17 -	
			Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21	
			- DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 -	
			Record, 26 - URL Record, 27 – Paging, 28 - Group	
			Listening, 29 - Public Hold, 30 - Private Hold, 31 -	
			Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero	
			Touch,47 - <u>MultiCast</u> Paging)₽	
Function K	leys->	string₽	Value	P42300₽
Memory Ke	y ->			
Memory key	1->			
Value₽				
Function K	leys->	Number:0,1,2	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3,	P42400
Memory Ke	y ->	,3,255₽	3 - Account 4.	
Memory key	1->			
Account				
Function K	eys->	Sting₽	Pickup Code.	P42500↩
Memory Ke	y ->			
Memory key	1->			
Pickup Code				

According to description of parameter, we know parameter P42200 should be 3, parameter P42300 should be 1002 and parameter P42500 should be *20*. Step 4: Edit cfg0000.xml as follow



Step 5: Put this XML configuration file in your config server path.

Step 6: Restart phone to apply to the settings.

2.Edit relevant parameter in the template file(template.xml)

- Step 1: Login webpage, enter Function Keys -> Memory Key
- Step 2 : Configure options you want, for example

(ey	Memory Key	Туре	Value	Account	Pickup Code	NOTE
	Key1	BLF 🗸	1002	Account 1 🔽	*20*	Кеу Туре:
	Key2	N/A 🗸		Account 1 🔽		The free function key Type Spe Dial,BLF,Key Event,intercom,U
	Key3	N/A 🗸		Account 1 🗸		
	Key4	N/A 🗸		Account 1 🔽		BLF:
	Key5	N/A 🗸		Account 1 💌		BLP setting require a priorie res
	Key6	N/A 🗸		Account 1 🔽		
	Key7	N/A 🗸		Account 1 🗸		
	Key8	N/A 🗸		Account 1 🔽		
	Key9	N/A 🗸		Account 1 🔽		
	Key10	N/A 🗸		Account 1 🔽		

Step 3: click "saveset" button to save the configuration.

Step 4: Enter Management -> Configuration

Click "Download Xml File" button to download the configuration Xml file. This file includes all parameters of this phone.

	Home Account N	Network Function Keys Setting	Directory Management
Password	Configure File		NOTE
Upgrade	Download Device Xml Configuration	Download Xml File	Configure File:
Auto Provision	Restore Xml Configuration	Destars Yml Configuration	Export the configure rite. Export the configuration files to backup the settings, and could impo- all the settings after reset.
Configuration		Restore Ami Conliguration	
TLS Certs	Download Device Bin Configuration	Download Bin File	System Log:
Tools	Restore Bin Configuration	浏览	There are two methods to export the system log,Local or Server.
Restart		Restore Bin Configuration	
Reboot	 System Log 		
	Download System Log	Download	
	Syslog Server		
	Syslog Level	NONE	

Step 5: Open the Xml file that you downloaded, you can find that the parameter has been changed.


Manage Firmware and Download Configuration File

<P41303 para="Linekey4.value" /> <P41403 para="LineKey4.Label" /> <P41503 para="LineKey4.Account">255</P41503> <P41603 para="LineKey4.PickupCode" /> <!--FunctionKeys/MemoryKey--> <P42200 para="MemoryKey1.Type">3</P42200> <P42300 para="MemoryKey1.Value">1002</P42300> <P42400 para="MemoryKey1.Account">0</P42400> <P42500 para="MemoryKey1.PickupCode">*20*</P42500> <P42201 para="MemoryKey2.Type">0</P42201> <P42301 para="MemoryKey2.Value" /> <P42401 para="MemoryKey2.Account">0</P42401> <P42501 para="MemoryKey2.PickupCode" /> <P42202 para="MemoryKey3.Type">0</P42202> <P42302 para="MemoryKey3.Value" /> <P42402 para="MemoryKey3.Account">0</P42402> <P42502 para="MemoryKey3.PickupCode" />

- Step 6: Change the xml file's name to cfg0000.xml.
- Step 7: Put this XML configuration file in your config server path.
- Step 8: Restart phone to apply to the settings.



18. Generate Configuration File with HLLiteTool and

Upgrade the Configuration File via HTTP/HTTPS/FTP/TFTP

Test environment



Server :

HTTP Server:192.168.0.240 HTTPS Server:192.168.0.240 FTP Server:192.168.0.240 TFTP Server:192.168.0.240 **Tool:** HLCFGTool.exe

18.1 Generate the configuration file for Htek IP Phones

There are two modes to generate the configuration file

18.1.1 Select manual mode to generate CFG file

Generally, it is used to generate the general config file.



Step 1: Select a template;

Step 2: Modify the value to you want, such as change the web log in password from admin to Dd123478

L Ha	nlong Configuration Tool 3.0	-	×
Select Template CFG Options Parameter [Definition		
Parameter Name	Value		^
P2	Dd123478		
P3	Vincent He		

Step 3: Click the CFG Option Tag, Select the CFG file type;

Step 4: File sequential or listing MAC address, such as bellow:

Hanlong Confi	guration To	ol 3.0	- 🗆 🗙
Select Template CFG Options Parameter Definition			
← Configuration Files ∩ Encrypt Configuration Files ∩ C	Customize AES	Key Configuration Files	
MAC-CFG:			
Manual File Inport			
Sequential: 270 001FC1000002 — 001FC1000110		001FC100AADD 001FC100AAFF	^
	Listing:		
	2		
			~ I
Destination Path: E:\CFG			Brose
			Go

According to the displayed number, will generate 272(270+2) CFG files. The *MAC* Address in the Listing are designated as *Mac* address.

Step 4: Click the Brose button, select a Destination Path:

Step 5: Click the Go button, application start to generate CFG files.



		Hanlong C	onfiguration To	ol 3.0	-	
Select Template	CFG Options	Parameter Definition				
 Configuration MAC-CFG: Manual File I 	Files C Encr nport	ypt Configuration Files	C Customize AES I	Key Configuration Files		
Sequential:	270 12 — 0	01FC1000110	Listing: 2	001FC100AADD 001FC100AAFF		<
Destination Pa	th: E:\CFG				Brose	
			99%		Go	

Step 6: CFG files Generation finished.

Hanlong Configurat ×
Total CFG Files Written:272
ОК

18.1.2 Select File Input mode to generate CFG file

In this way, it can be used to generate basic config, moreover, it also can be used to config account information.

a. How to make .csv file

Step 1: Define the parameter you want to write into the CFG file. Such as:

Account 1: sip user id;

Authenticate ID; Authenticate password; Name

Account 2: sip user id; Authenticate ID; Authenticate password; Name

Step 2: Find the Parameter Names according to parameter refer to parameter definition.



Hanlong Configuration Tool 3.0		×
Select Template CFG Options Parameter Definition		
# SIP User ID P35 = {\$username.line.1}		^
# Authenticate ID P36 = {\$AuthenID.line.1}		
# Authenticate password P34 = {\$secret.line.1}		
# <mark>Name</mark> P3 = {\$displayname.line.1}		
# DNS Mode. 0 - A Record, 1 - SRV, 2 - NAPTR/SRV # Number: 0-2 # Mandatory P103 = 0		
# User ID Is Phone Number.0 - No, 1 - Yes # Number:0, 1 P63 = 0		
# SIP Registration. 0 - No, 1 - Yes # Number:0, 1		~
<<		>
	Go	

Account 1: sip user id(P35);

Authenticate ID(P36); Authenticate password(P34); Name(P3) Account 2: sip user id(P735); Authenticate ID(P736); Authenticate password(P734); Name(P703)

Step 3: Define a set of variable to assign value to this parameter name, must use this format{\$...}. About the variable name, you can decide by yourself.

Such as:

P35: {\$username. line.1};

P36: {\$authenID.line.1};

P34: {\$secret. line.1};

P3: {\$displayname. line.1};

P735: {\$username. line.2};

P736: {\$authenID.line.2};

- P734: {\$secret. line.2};
- P703: {\$displayname. line.2};

Step 4: Edit the Excel file according to example as bellow.

A	В	С	D	Е	F	G	Н	I
MAC	{\$username.line.1}	{\$authenID.line.1}	{\$secret.line.1}	{\$displayname.line.1}	{susername.line.2}	{\$authenID.line.2}	{\$secret.line.2}	{\$displayname.line.2}
001FC11A96F4	225	225	test11	225-test	334	334	test34	334
001FC11A939E	331	331	test31	331-test	320	320	test20	320
001FC11A96E4	316	316	test16	316-test				

Note: The first Column must be MAC.

b. How to generate CFG file

Step 1: Select a template;

Step2: Modify the value according to the .csv file which you will use, such as sample.csv



Generate Configuration File with HLLite Tool

	Hanlong Configuration Tool 3.0 –	×
Select Template CFG Options F	Parameter Definition	
Parameter Name	Value	^
P2	admin	
P3	{\$displayname.line.1}	
P4	goober	
P8	0	
		_
	Hanlong Configuration Tool 3.0	
Select Template CFG Options	Parameter Definition	
Parameter Name	Value	
P32	15	
P33		
P34	{\$secret.line.1}	
P35	{\$username.line.1}	
P36	{\$authenID.line.1}	
P37	2	
11	Hanlong Configuration Tool 3.0 –	×
Select Template CFG Options F	Parameter Definition	
Select Template CFG Options F	Parameter Definition	
Select Template CFG Options F Parameter Name P695	Parameter Definition Value 0	<u>_</u> ^
Select Template CFG Options F Parameter Name P695 P702	Parameter Definition Value 0 0 0	_^
Select Template CFG Options F Parameter Name P695 P702 P703	Parameter Definition Value 0 0 (\$ displayname.line.2}	^
Select Template CFG Options F Parameter Name P695 P702 P703 P704	Parameter Definition Value 0 0 {\$ displayname.line.2} 97	^
Select Template CFG Options F Parameter Name P695 P702 P703 P704 P705	Parameter Definition Value 0 0 (\$ displayname.line.2} 97 0	^
Select Template CFG Options F Parameter Name P695 P702 P703 P704 P705 P709 P709 P709	Parameter Definition Value 0 0 (\$ displayname.line.2} 97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P709 P709 P710	Value O 0 0 (\$ displayname.line.2} 97 0 0 0 0	
Select Template CFG Options F Parameter Name P695 P702 P702 P703 P704 P705 P709 P710 P712 P712 P712	Value Value 0 0 0 0 (\$ displayname.line.2}) 97 0 0 1 1	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P705 P709 P710 P712 P712 P729 P729 P729 P729 P729 P723 P724 P725 P729 P724 P725 P725 <td< td=""><td>Value O 0 0 \$\screen stress of the stres</td><td></td></td<>	Value O 0 0 \$\screen stress of the stres	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P709 P710 P712 P712 P729 P729 P729 P729 P729 P724 P725 P729 P729 P729 P724 P725 P725 P725 P729 P729 P729 P726 P7	Value 0 0 0 (\$ displayname.line.2} 97 0 0 1 0 2	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P709 P710 P712 P712 P712 P729 P730 P731 P731 P731 P731 P731 P734 P7	Parameter Definition Value 0 0 (\$ displayname.line.2}) 97 0 0 1 0 2 1 0 1 0 1 0 2 1	
Select Template CFG Options F Parameter Name P695 P702 P702 P703 P704 P705 P709 P710 P710 P712 P729 P730 P731 P732	Parameter Definition Value 0 0 0 0 0 (\$ displayname.line.2}) 97 97 0 0 0 1 0 2 1 15 0	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P705 P709 P710 P712 P712 P729 P730 P731 P732 P734 P7325 P734 P734 P734 P735 P734 P734 P735 P734 P735 P734 P735 P735 P734 P735 P735 P735 P736 P736 <t< td=""><td>Parameter Definition Value 0 0 0 0 0 (\$ displayname.line.2}) 97 97 0 0 0 1 0 2 1 1 15 (\$ secret.line.2) 0</td><td></td></t<>	Parameter Definition Value 0 0 0 0 0 (\$ displayname.line.2}) 97 97 0 0 0 1 0 2 1 1 15 (\$ secret.line.2) 0	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P705 P709 P710 P712 P712 P729 P730 P731 P732 P732 P733 P735 P735 P736 P736 P735 P736 P735 P736 P736 P735 P736 P736 <td< td=""><td>Parameter Definition Value 0 0 0 0 (\$ displayname.line.2} 97 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 1 15 (\$ secret.line.2) (\$ username.line.2) (\$ username.line.2)</td><td></td></td<>	Parameter Definition Value 0 0 0 0 (\$ displayname.line.2} 97 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 1 15 (\$ secret.line.2) (\$ username.line.2) (\$ username.line.2)	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P705 P705 P709 P710 P712 P712 P729 P730 P731 P732 P734 P735 P736	Value Value 0 0 0 0 (\$ displayname.line.2} 97 97 0 0 0 0 0 1 0 2 1 15 (\$ secret.line.2) (\$ suthenID.line.2) (\$ suthenID.line.2)	
Select Template CFG Options F Parameter Name P695 P702 P703 P703 P704 P705 P709 P709 P710 P712 P729 P730 P731 P732 P734 P735 P736 P737 P737 P736 P737 P736 P737 P7	Value Value 0 0 0 0 (\$ displayname.line.2} 97 97 0 0 0 0 0 1 0 2 1 15 (\$ secret.line.2) (\$ username.line.2) (\$ username.line.2) (\$ username.line.2) (\$ username.line.2) 2 2	

You can select **Save To a Template** for feature use after editing finished.

Step 3: Click the CFG Option Tag, Select the CFG file type;

Step 4: Click the File Input Tag, Select the .csv file type, such as sample.csv.

Generate Configuration File with HLLite Tool

🔃 Hanlong Configuration Tool 3.0	- • ×
Select Template CFG Options Parameter Definition	
 Configuration Files C Encrypt Configuration Files Customize AES Key Configuration Files MAC-CFG: Manual File Inport CSV File: E:\Sample.csv 	Browse
Destination Path: E:\update\cfg	Brose
	Go

Step 5: Click the Brose button, select a Destination Path:

🚻 Hanlong Configuration Tool 3.0	
Select Template CFG Options Parameter Definition	
Configuration Files ○ Encrypt Configuration Files ○ Customize AES Key Configuration Files	
MAC-CFG:	
Manual File Inport	
CSV File	
E:\Sample.csv	Browse
	[]
Destination Path: F:\undate\cfg	Brose
	DIOSE
	60

Step 6: Click the Go button, application start to generate CFG files. **Step 7:** CFG files Generation finished.



Hanlong Configur	×
Total CEG Files Written	:3
ОК	

18.2 Upgrade cfgMAC file via HTTP/TPFP/FTP/HTTPS

Step 1: Login Htek IP device's webpage, Management→Auto Provision :

Via HTTP mode:

Password	Firmware Upgrade
Upgrade	Upgrade Mode © TFTP
Auto Provision	Firmware Server Path 192. 168. 0. 240: 8080/cfg
Configuration	Config Server Path 192.168.0.240:8080/cfg
TLS Certs	Allow DHCP Option 128 To Override Server: No O Yes
	AUTO Upgrade: O No O Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName
Reboot	HTTP/FTP/HTTPS Password

Via TFTP mode:

Password	Firmware Upgrade
Upgrade	Upgrade Mode
Auto Provision	Firmware Server Path 192.168.0.240
Configuration	Config Server Path 192.168.0.240
TLS Certs	Allow DHCP Option 128 To Override Server: No Ves
Postart	AUTO Upgrade: O No 💿 Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName
Reboot	HTTP/FTP/HTTPS Password



Password	Firmware Upgrade
Upgrade	Upgrade Mode O TFTP O HTTP FTP O HTTPS
Auto Provision	Firmware Server Path 192.168.0.240
Configuration	Config Server Path 192.168.0.240
TI S Certs	Allow DHCP Option 128 To Override Server: No Yes
	AUTO Upgrade: O No O Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName
Reboot	HTTP/FTP/HTTPS Password

Via HTTPS mode:

Password	Firmware Upgrade
Upgrade	Upgrade Mode O TFTP O HTTP O FTP O HTTPS
Auto Provision	Firmware Server Path 192.168.0.240
Configuration	Config Server Path 192.168.0.240
TLS Certs	Allow DHCP Option 128 To Override Server: No Ves
Destart	AUTO Upgrade: O No O Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName
Reboot	HTTP/FTP/HTTPS Password

You can select the upgrade Mode what you want.

Step 7: Restart the Htek IP device.

e.g:You can see the request logs on the server:

8:54:30 AM 192.168.0.103:39398 Requested GET /cfg/cfg001fc11a96f4 8:54:30 AM 192.168.0.103:39398 Fully downloaded - 8.16 K @ 835 KB/s - /cfg/cfg001fc11a96f4



1. Test result:

Basic	Account	Account 1 👻
Codec	Account Status	Registered
Advanced	* Account Active	⊙ No
	* Primary SIP Server	192.168.0.251
	Failover SIP Server	3
	Second Failover SipServer	3
	Prefer Primary SIP Server	🖲 No 💿 Yes 🕜
	Outbound Proxy	3
	*SIP Transport	◎ UDP © TCP © TLS 🕜
	NAT Traversal	◯ No
	* SIP User ID	225 📀
	* Authenticate ID	225
	*Authenticate Password	••••••
	Name	225-test 🕐

Basic	Account	Account 2 🗸
Codec	Account Status	Registered
Advanced	* Account Active	◯ No
	*Primary SIP Server	192. 168. 0. 251 🕜
	Failover SIP Server	•
	Second Failover SipServer	0
	Prefer Primary SIP Server	🖲 No 🔘 Yes 🕜
	Outbound Proxy	•
	*SIP Transport	◉ UDP © TCP © TLS 🕜
	NAT Traversal	◯ No
	* SIP User ID	334 🕐
	*Authenticate ID	334 📀
	*Authenticate Password	••••••
	Name	334 📀



19.Making Ringtone Notes

Prepare:

Tool: Ringtool.exe

Ring file format: wav

1. To make ring tone for UC9xx

1.1 Double click Ringtool.exe

ringtool	X
Maximum Length: © 24 Seconds © 16 Seconds © 8 Seconds	Output Filename: ring1.bin ring2.bin ring3.bin
Input File: Click 'Select' to choose input file.	Select
	Generate Ringfile Exit

1.2 Select the Maximun Length and Output Filename:

For example, 16 seconds, ring 2.bin

ringtool	
Maximum Length: C 24 Seconds C 16 Seconds C 8 Seconds	Output Filename: C ring1.bin (ing2.bin) C ring3.bin
Input File: Click 'Select' to choose input file.	Select
	Generate Ringfile Exit

1.3 Click Select to Input the desired ring tone file, and then click Generate Ringfile. Then, you will get Ringfile Created.

E-Itek

Making Ringtone Notes

ringtool	ringtool	×
Maximum Length: © 24 Seconds © 16 Seconds © 8 Seconds	Ringfile Created	
Input File: ring.wav		Select
	Generate Ringf	ile Exit

1.4 Now, you get the ring2.bin, also you can rename it as ring5.bin, or other the one you want to replace. 1.5 Upload the ring file by TFTP or HTTP, the ringtone is replaced successfully.

El-Itek

20. LCD and Web Language Custom Guide

20.1.LCD Language custom guide

- 1. You need to contact us about how to obtain the Language.tar file.
- 2. Unzip the Language.tar using 7-zip tool.
- 3. Open the Language folder:

Français(French).xml
2_Deutsch(German).xml
3_Español(Spanish).xml
4_Português(Portuguese).xml
5_pycский(Russian).xml
6_Italiano(Italian).xml
7_Polski(Polish).xml
8_Türk(Turkish).xml
9_Srpski(Serbian).xml
9_Srpski(Serbian).xml
11_한국의(Korean).xml
12_Slovenščina(Slovenian).xml
LCD_English_Template.xml

Note:

The file name must be " digital_" at the beginning, the format of the file name is the order of the on the LCD.

4. For example, custom Chinese Language

If your country's language is not existing in the language folder, you can new a xml file with correct naming format. [e.g. 13_xxx(xxx).xml]

If your country's language in the folder, you can custom directly your language.

Open the LCD_English_Template.xml with UltraEdit→ Translate English into Chinese (Can't leave out

any items, otherwise the upgrade failed) →save as 10_简体中文(ChineseSimplified).xml in Language

folder (Coding format is UTF-8)

Open Files			en Files
	LCD_English_Template.xml ×		10_简体中文(ChineseSimplified).xml ×
1	0,	1	0,, 10,, 20,, 30,, 40,
2 -	<pre><language name="English(English)"></language></pre>	2	- <language name="简体中文(Chinese Simplified)"></language>
3	<back>Back</back>	з	<back>返回</back>
4	<option>Option</option>	4	<option>选项</option>
5	<send>Send</send>	5	<send>呼叫</send>
6	<enter>Enter</enter>	6	<enter>进入</enter>
7	<delete>Delete</delete>	7	<delete>删除</delete>
8	<cancel>Cancel</cancel>	8	<cancel>取消</cancel>
9	<ok>OK</ok>	9	<ok>确定</ok>
10	<edit>Edit</edit>	10	<edit>编辑</edit>
11	<dial>Dial</dial>	11	<dial>肢打</dial>
12	<switch>Switch</switch>	12	<switch>切换</switch>
13	<save>Save</save>	13	<save>保存</save>
14	<exit>Exit</exit>	14	<exit>退出</exit>
15	<none>None</none>	15	<none> 空</none>



🕝 Save As			×	
CO V 📕 🕨 Language	-	Search Langue	ige 🔎	
Organize 🔻 New folder	r		:= • 📀	
☆ Favorites	Name	Date modified	Туре	
📃 Desktop	1_Français(French).xml	2/12/2014 11:46 AM	XML Document	
🐌 Downloads	2_Deutsch(German).xml	2/12/2014 11:46 AM	XML Document	
🗐 Recent Places 🗏	3_Español(Spanish).xml	2/12/2014 9:57 AM	XML Document	
	4_Português(Portuguese).xml	2/12/2014 11:46 AM	XML Document	
🥃 Libraries	🞯 5_русский(Russian).xml	2/12/2014 11:46 AM	XML Document	
Documents	6_Italiano(Italian).xml	2/12/2014 11:46 AM	XML Document	
J Music	7_Polski(Polish).xml	2/12/2014 11:46 AM	XML Document	
Pictures	8_Türk(Turkish).xml	2/13/2014 10:54 AM	XML Document	
🗐 Subversion	9_Srpski(Serbian).xml	2/12/2014 11:46 AM	XML Document	
📑 Videos	● 10_简体中文(ChineseSimplified).xml	2/12/2014 11:46 AM	XML Document 👻	
-	< III		P.	
File name: 10_简体	t中文(ChineseSimplified).xml		•	
Save as type: 所有文件 (*,*)				
ADS Stream:				
Alide Folders	Encoding: UTF-8	▼ <u>S</u> ave ▼	Cancel	

 \rightarrow Select the Language folder \rightarrow Compress Language.tar package using 7-zip tool and Cover the original \rightarrow Delete the Language folder

Note:

If you use UltraEdit, it can generate.xml.bak file after saved .so you need to delete.xml.bak file.

If you want to put your language on the front of other languages, you can also rename the file, for example:



20.2.Web Language custom guide

- 1. You need to contact us about how to obtain the Language.tar file
- 2. Unzip the Language.tar using 7-zip tool.



3. Open the Language folder:

🐲 1_Français(French).xml	1_French.js
2_Deutsch(German).xml	2_German.js
3_Español(Spanish).xml	🗃 3_Spanish.js
😻 4_Português(Portuguese).xml	4_Portuguese.js
S_Russian.js	🛎 5_русский(Russian).xml
🗃 6_Italian.js	🧉 6_Italiano(Italian).xml
7_Polish.js	7_Polski(Polish).xml
8_Türk(Turkish).xml	8_Turkish.js
🗃 9_Serbian.js	🥌 9_Srpski(Serbian).xml
10_ChineseSimplified.js	🥌 10_简体中文(ChineseSimplified).xml
11_Korean.js	🛎 11_한국의(Korean).xml
12_Slovenian.js	12_Slovenščina(Slovenian).xml
LCD_English_Template.xml	Web_English_Template.js

Note:

The file name must be " digital_letter" at the beginning, the format of the file name is the order of the on the Web.

4. For example custom Chinese Language

If your country's language is not existing in the language folder, you can new a xml file with correct naming format. [e.g. 13_xxx.js]

If your country's language in the folder, you can custom directly your language reference Web_English_Template.js.

Open the Web_English_Template.js with UltraEdit \rightarrow Translate English into Chinese (Can't leave out any items, otherwise the upgrade failed) \rightarrow save as 10_ChineseSimplified.js in Language folder (Coding format is **UTF-8**)

jscs = { $jscs = {$ "logout":"注销 "logout":"logout", "statusstatu":"主页",//"Status", "statusstatu": "Home",//"Status", "account":"账户", "account":"Account", "network":"网络 "network": "Network", "dsskev":"功能", "dsskey": "Function Keys", "phone":"设置", "phone" :"Setting", "contacts":"通讯录", "contacts":"Directory", "security":"管理", "security": "Management",



🚱 Save As					
O v ↓ w nancy					
Organize 🔻 New fo	olde	r			
Documents	*	Name	Date	e modified	Туре
🁌 Music		🖲 6_Italiano(Italian).xml	2/24	/2014 10:49 AM	XML Document
Pictures		7_Polish.js	2/24	/2014 10:49 AM	JScript Script File
Subversion		7_Polski(Polish).xml	2/24	/2014 10:49 AM	XML Document
🛃 Videos		8_Türk(Turkish).xml	2/24	/2014 10:49 AM	XML Document
		🕑 8_Turkish.js	2/24	/2014 10:49 AM	JScript Script File
🖳 Computer	=	🗃 9_Serbian.js	2/24	/2014 10:49 AM	JScript Script File 😑
🏭 Local Disk (C:)		9_Srpski(Serbian).xml	2/24	/2014 10:49 AM	XML Document
👝 Local Disk (D:)		10_ChineseSimplified.js	2/25	i/2014 4:45 PM	JScript Script File
👝 nancy (E:)		🗃 10_简体中文(ChineseSimplified).xml	2/24	/2014 10:49 AM	XML Document
👝 vincent (F:)		🗃 11_Korean.js	2/24	/2014 10:49 AM	JScript Script File 🖕
🙀 share (\\192.168.(- [< <u> </u>			▶
File name: 10	Chi	neseSimplified.is			
Save as type: [///H.X.H+(.)]					
ADS Stream:					
) Hide Folders		Encoding: UTF-8	•	Save 😽	Cancel

 \rightarrow Select the Language folder \rightarrow Compress Language.tar package using 7-zip tool and Cover the original \rightarrow Delete the Language folder

Note:

If you use UltraEdit, it can generate.xml.bak file after saved .so you need to delete.xml.bak file.

If you want to put your language on the front of other languages, you can also rename the file, for example:

1_Français(French).xml	1_French.js	1_ChineseSimplified.js	I_Français(French).xml
2_Deutsch(German).xml	2_German.js	2_Deutsch(German).xml	☑ 2_German.js
😻 3_Español(Spanish).xml	3_Spanish.js	3_Español(Spanish).xml	🗃 3_Spanish.js
😻 4_Português(Portuguese).xml	4_Portuguese.js	4_Português(Portuguese).xml	🗑 4_Portuguese.js
🗃 5_Russian.js	😻 5_pyccкий(Russian).xml	5_Russian.js	🐲 5_pyccкий(Russian).xml
💿 6_Italian.js	😻 6_Italiano(Italian).xml	Italian.js	🐲 6_Italiano(Italian).xml
7_Polish.js	7_Polski(Polish).xml	7_Polish.js	😻 7_Polski(Polish).xml
8_Türk(Turkish).xml	8_Turkish.js	8_Türk(Turkish).xml	8_Turkish.js
9_Serbian.js	😻 9_Srpski(Serbian).xml	9_Serbian.js	😻 9_Srpski(Serbian).xml
10_ChineseSimplified.js	😻 10_简体中文(ChineseSimplified).xml	10_French.js	🥑 10_简体中文(ChineseSimplified).xml
11_Korean.js	☞ 11_한국의(Korean).xml	11_Korean.js	😻 11_한국의(Korean).xml
12_Slovenian.js	12_Slovenščina(Slovenian).xml	12_Slovenian.js	😻 12_Slovenščina(Slovenian).xml
LCD_English_Template.xml	Web_English_Template.js	LCD_English_Template.xml	Web_English_Template.js

When you finished the Language.tar, you must send the Language.tar package to us, then we provide the firmware to you.

21. LCD and Web GUI custom Guide

Unzip the hlpres.tar package (Need to contact us to obtain the hlpres.tar package**)** You can replace some file in the hlpres to finish the customization of 1.1 to 1.7



21.1 How to custom the wallpaper1-wallpaper6?

Open hlpres folder \rightarrow you can custom the wallpaper4.jpg-wallpaper6.jpg (dimension:480*320 size: through Photoshop tools make the size smaller \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package

21.2 How to custom the screensaver1- screensaver3?

Open hlpres folder \rightarrow you can custom the screensaver1.jpg-screensaver3.jpg (dimension:480*320 size:through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package

21.3 How to custom the weblogo?

Open hlpres folder \rightarrow you can custom the weblogo.jpg (dimension:225*93 size: through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package

21.4 How to customthe eights meuns(.png)in the main menu?

Open hlpres folder \rightarrow you can custom the .png(dimension:65*65size: through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package

21.5 How to customthe ... lcon.png?

Open hlpres folder \rightarrow you can custom the ...lcon.png (dimension:65*65size: through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tarpackage

21.6 How to custom the lcdlogo_color.png?

This logo is only applicable to UC923, UC924, UC926.

Open hlpres folder \rightarrow you can custom the lcdlogo_color.png (dimension:400*42size: through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package. Enter Menu \rightarrow Display \rightarrow Screensaver Time-out:1min; Screensaver Type: Time & Logo \rightarrow Save, this logo displays correctly.

21.7 How to customthe lcdlogo_bw.png?

This logo is only applicable to UC601, UC901, UC902, UC903, UC913

Open hlpres folder \rightarrow you can custom the lcdlogo_bw.png (dimension:100*11 size: through Photoshop tools make the size smaller) \rightarrow Select the hlpres folder \rightarrow Compress hlpres.tar package.

Enter Menu→Display->Screensaver Time-out:1min; Scrrensaver Type:Time & Logo→Save, this logo display correctly.



LCD and Web GUI Custom Guide

The lcdlogo_bw.png's property must be the following standard:

neral Security	Details Previous Versions	
Property	Value	
Origin		
Date taken		
Image		
Dimensions	100 x 11	
Width	100 pixels	
Height	11 pixels	
Bit depth	1	E

Note:

The photo's name and format must be the same as before; The size of hlpres file is not more than 2M.

When you finished the hlpres.tar, you must send the hlpres.tar package to us, then we provide the firmware to you.



22. Firmware Upgrade

Please note: If the firmware version is 1.0.3.73 or later than 1.0.3.73, you must put the upgrade files(include fw9xx.rom,img_9xx.bin) into the server path. Later than 1.0.3.73 version upgrade steps and earlier than 1.0.3.73 version is the same.

22.1. Upgrade through TFTP

1) We recommend that you can install a TFTP Server (e.g SolarWinds-TFTP-Server.exe)

2) Make a new directory, such as D:\FM



3) Unzip the firmware file and put all of them under the directory D:\FM



4) The PC running the TFTP server and the UC9xx products should be in the same LAN segment.



5) Set TFTP Root Directory to D:\FM TFTP SERVER \rightarrow File \rightarrow Configure



🔁 TFTP Server Config	juration	×
TFTP Root Directory	Security Advanced Security Auto-Close	Log
🖃 d:	-	•
🔄 d:\		
[[{002.com		
fw802.rom fw803.rom		âl
fw804.rom fw806.rom		-
fw840.rom fw842.rom		Ŧ
0	Cancel Help	

1) Go to **File -> Configure -> Security** to change the TFTP server's default setting from "Receive Only" to "**Transmit Only**" for the firmware upgrade.

🔁 TFTP Server Configuration	×
TFTP Root Directory Security Advanced Security Auto-Close Lo	g
The TFTP Server can be configured to allow receiving of files only, transmitting of files only, or allow both, transmitting and receiving.	
 Receive only Transmit only Transmit and Receive files 	
OK Cancel Help	

2) Start the TFTP server, Configure the Firmware Server Path with the IP address (192.168.0.240 is TFTP server) in the UC9xx's web configuration page.



Password	• Firmware Upgrade	
Upgrade	Upgrade Mode	● TFTP ○ HTTP ○ FTP ○ HTTPS
Auto Provision	Firmware Server Path	192. 168. 0. 240
Configuration	Config Server Path	192.168.0.240
TI S Certs	Allow DHCP Option 128	To Override Server: O No O Yes
Durint	AUTO Upgrade: 🔘 No 🔘 Yes;	check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName	
Reboot	HTTP/FTP/HTTPS Password	
	Upgrade Check Mode :	
	Always Check For Ne	w Firmware

- 3) SaveSet the change and restart the IP Phone.
- 4) You can test your TFTP server by another PC which is in the same LAN segment. For examples, in PC which IP address is 192.168.0.126, type command:

TFTP -i 192.168.0.240 GET fw924.rom f:/fw924.rom



If your TFTP server is OK, something like "Transfer successful: " will be printed in command windows.

22.2. Upgrade through FTP

1) Setup a FTP Server (e.g FileZilia Server).

2) Unzip the firmware file and put all of them under the *root*/fm directory of the FTP Server.

3) Configure the FTP Server.

4) Visiting Ftp:\\192.168.0.240\fw924.rom on localhost by browser, enter username and password, you will view upgrade file. If visiting Ftp:\\192.168.0.240\ fw924.rom on another computer is no prompt to download fw924.rom file, please check the firewall (Suggest close the firewall).

5) Configure the Firmware Server Path in the IP Phone's web configuration page. (192.168.0.240 is FTP server)



Firmware Upgrade

Password	Firmware Upgrade
Upgrade	Upgrade Mode
Auto Provision	Firmware Server Path 192, 168, 0, 240
Configuration	Config Server Path 192, 168, 0, 240
TLS Certs	Allow DHCP Option 128 To Override Server: O No O Yes
Restart	HTTP/FTP/HTTPS UserName na
Reboot	HTTP/FTP/HTTPS Password ●●●●●
	Upgrade Check Mode :
	 Always Check For New Firmware

6) Click the SaveSet and then click Restart in the webpage.

22.3. Upgrade through HTTPS

- 1) Installing and configuring an Apache HTTPS Server in local computer.
- 2) Unzip the firmware file and put all of them under the *root*/fm directory of the HTTPS Server.
- 3) Visiting "HTTPS:\\192.168.0.45\fm\fw926.rom on localhost by browser" to verify the HTTPS Server. If visiting "HTTPS:\\192.168.0.45\fm\fw926.rom on another computer is no prompt to download fw924.rom file, please check the firewall (Suggest close the firewall).
- 4) Configure the Firmware Server Path in the IP Phone's web configuration page. (192.168.0.254 is HTTPS server)

Password	Firmware Upgrade
Upgrade	Upgrade Mode O TFTP O HTTP O FTP
Auto Provision	Firmware Server Path 192. 168. 0. 45/fm
Configuration	Config Server Path 192. 168. 0. 45/cfg
TLS Certs	Allow DHCP Option 128 To Override Server: O No O Yes
Destart	AUTO Upgrade: O No Yes; check for upgrade every 10080 Minutes
Restart	HTTP/FTP/HTTPS UserName Server username and
Reboot	HTTP/FTP/HTTPS Password
	Upgrade Check Mode :
	Always Check For New Firmware

5) Click the SaveSet and then click Restart in the webpage.



ValuesAccount(1)->basic->Number:Account Active (In Use). 0 -P271 $$ $$ Account Active0, 1No, 1 - Yes $$ $$	web Setting Fath	Permitted	Descriptions	Parameter	601	924	926
Account(1)->basic->Number:Account Active (In Use). 0 -P271 $$ $$ Account Active0, 1No, 1 - Yes $$ $$		Values					
Account Active 0, 1 No, 1 - Yes	Account(1)->basic->	Number:	Account Active (In Use). 0 -	P271	\checkmark	\checkmark	\checkmark
	Account Active	0, 1	No, 1 - Yes				
Account(1)->basic->PrimaryIt configures the primaryP47 $$ $$	Account(1)->basic->	Primary	It configures the primary	P47	\checkmark	\checkmark	\checkmark
Primary SIP Sserver SIP SIP server when the	Primary SIP Sserver	SIP	SIP server when the				
Server(eg: sip.mycom		Server(eg: sip.mycom	network is locallan 、				
pany.com remotestun or SBC.		pany.com	remotestun or SBC.				
or IP		or IP					
address)		address)					
Account(1)->basic->FStringFailover SIP ServerP967 $$ $$	Account(1)->basic->F	String	Failover SIP Server	P967	\checkmark	\checkmark	\checkmark
ailover SIP Server (Optional, used when	ailover SIP Server		(Optional, used when				
primary server no response)			primary server no response)				
Account(1)->basic->StringSecond Failover Sip ServerP8851 $$ $$	Account(1)->basic->	String	Second Failover Sip Server	P8851	\checkmark	\checkmark	\checkmark
Second Failover SIP (Optional, used when	Second Failover SIP		(Optional, used when				
Server Failover SIP Server no	Server		Failover SIP Server no				
			response)	D 4 = 0 =	1	1	1
Account(1)->basic-> Number: Prefer Primary SIP Server P4567 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	Number:	Prefer Primary SIP Server	P4567	N	N	N
Preter Primary SIP 0, 1 (In Use). 0 - No, 1 - Yes	Prefer Primary SIP	0, 1	(In Use). 0 - No, 1 - Yes				
Sserver	Sserver	- (Outly available	D 40			
Account(1)->basic-> string Outbound P48 V V	Account(1)->basic->	string		P48	N	N	Ň
Dubbulid Ploxy m. or IP address, if any)			m or IP address if any)				
Account(1)->basic-> Sting Backup Outbound Proxy P20047 $\sqrt{1}$	Account(1)->basic->	Sting	Backup Outbound Provy	P20047	N	N	N
Backup Outbound (This is Usually Set as IP	Backup Outbound	Oung	(This is Usually Set as IP	1 20047	, v	, v	v
Proxy addr)	Proxy		addr)				
Account(1)->basic-> Number: 0 - UDP. 1 - TCP. 2 - TLS P130 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	Number:	0 - UDP. 1 - TCP. 2 - TLS	P130			
SIP Transport 0-2	SIP Transport	0-2	, - , -				
Account(1)->basic-> Number: 0 - No, 1 - STUN 2 - No, P52 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	Number:	0 - No, 1 - STUN 2 - No,	P52		\checkmark	
NAT Traversal 0-2 but send keep alive	NAT Traversal	0-2	but send keep alive				
Account(1)->basic->L String The name showing on the L P20000 $\sqrt{1}$ $\sqrt{1}$	Account(1)->basic->L	String	The name showing on the L	P20000	\checkmark	\checkmark	\checkmark
abel CD of current device	abel		CD of current device				
Account(1)->basic-> string the user part of an SIP P35 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	string	the user part of an SIP	P35	\checkmark	\checkmark	\checkmark
SIP User ID address	SIP User ID		address			1	1
Account(1)->basic-> String can be identical to or P36 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	String	can be identical to or	P36	N	N	N
Authenticate ID different from SIP User ID	Authenticate ID		different from SIP User ID			1	1
Account(1)->basic-> String purposely not displayed for P34 $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	Account(1)->basic->	String	purposely not displayed for	P34	N	N	N
Authenticate security protection	Authenticate		security protection				
Massword The Level phase range D0	Password	Christen er	The Level share starts	D2			
Account(1)->pasic-> String The Local phone name P3 V V	Account(1)->Dasic->	String	the Local phone name	173 	N	N	N
when calling	INGILIE		when calling				



Account(1)->basic->	Number:	DNS Mode (0 - A Record, 1	P103	\checkmark	\checkmark	\checkmark
Account(1)->basic->	Numbor:	Lisor ID is Phone Number 0	D63	2	2	N
Llear ID le Phono			F 03	v	v	v
Number	0, 1	- 110, 1 - 163				
	Numbor	SIR Production 0 No. 1	D21	2		2
SID Production			F31	v	v	v
	0, 1 Numbor:	Liprogistor On Roboot 0	D91	2		2
Account(1)->basic->		No. 1 Voo	FOI	v	v	v
Dhregister On Roboot	0, 1	NO, I - Tes				
	numbor	Pagistar Expiration (in	D22			2
Account(T)->Dasic->	number	Register Expiration (in	F32	N	v	v
Register Expiration		minutes. delaut 1 noui,				
	Number	Outracing Call Without	D100			
Account(1)->Dasic->		Duigoing Call Without	P109	N	N	N
	0, 1	Registration.0 - No, 1 - Yes				
	un une le le re		D 40			
Account(1)->basic->	number	Local SIP Port (default	P40	γ	N	γ
		5060)	D7 0	1	1	1
Account(1)->basic->	Number:	Use Random Port.0 - No, 1	P78	N	N	N
Use Random Port	0, 1	- Yes	D 00	1	1	1
Account(1)->basic->	String	Voice Mail UserID(UserID	P33	N	N	N
Voice Mail UserID		for voice mail system)		1	1	1
Account(1)->basic->	Number:	Enable/Disable RPort.0 -	P136	\checkmark	\checkmark	\checkmark
RPort	0, 1	No, 1 - Yes		1		1
Account(1)->basic->	Number:	RFC 2543 Hold.0 - No, 1 -	P1100	\checkmark	\checkmark	\checkmark
RFC 2543 Hold	0, 1	Yes				
Account(1)->Codec->	Number:	Preferred Vocoder In listed	P57	\checkmark	\checkmark	\checkmark
Preferred Vocoder In	0, 2, 3, 4,	order. choice 1.				
listed order	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account(1)->Codec->	Number:	Preferred Vocoder In listed	P58	\checkmark	\checkmark	\checkmark
Preferred Vocoder In	0, 2, 3, 4,	order. choice 2.				
listed order	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account(1)->Codec->	Number:	Preferred Vocoder In listed	P59	\checkmark	\checkmark	\checkmark
Preferred Vocoder In	0, 2, 3, 4,	order. choice 3.				
listed order	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account(1)->Codec->	Number:	Preferred Vocoder In listed	P60		\checkmark	

l -ltek		Parameter List				
Preferred Vocoder In listed order	0, 2, 3, 4, 8, 9, 18, 20	order. choice 4. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B 20 - il BC.				
Account(1)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 5. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P61	V	V	V
Account(1)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 6. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P62	V	\checkmark	V
Account(1)->Codec-> PTimes(ms)	Number: 1,2,3,4,5,6	1 – 10, 2 – 20, 3 – 30, 4 – 40, 5 – 50, 6 - 60	P37	\checkmark	\checkmark	\checkmark
Account(1)->Codec-> G723 Rate	Number: 0, 1	G723 Rate(0 - 6.3kbps encoding rate, 1 - 5.3kbps encoding rate)	P49	V	V	\checkmark
Account(1)->Codec-> iLBC mode	Number: 0, 1	iLBC mode.0 - 20ms mode,1 - 30ms mode	P394	\checkmark	\checkmark	\checkmark
Account(1)->Codec-> iLBC Payload Type	Number: 96 to 127	iLBC Payload Type(from 96 to 127, default is 97)	P390	\checkmark	\checkmark	\checkmark
Account(1)->Advance d-> DTMF Payload Type	Number : 96-127	DTMF Payload Type , default is 101	P79	\checkmark	\checkmark	\checkmark
Account (1)-> Advanced -> DTMF Type	Number: 0, 1,2	0 – RFC2833, 1 – IN Audio, 2 – SIP INFO	P20166	\checkmark	\checkmark	\checkmark
Account (1)-> Advanced -> Send Flash Event	Number: 0, 1	Send Flash Event.0 - no, 1 - yes	P74	~	1	\checkmark
Account (1)-> Advanced -> Enable Call Features	Number: 0, 1	Enable Call Features.0 - no, 1 - yes	P191	\checkmark	V	\checkmark
Account (1)-> Advanced -> Proxy Require	string	Proxy Require	P197	√	√	\checkmark
Account (1)-> Advanced ->Use NAT IP	String	Used in SIP/SDP message if specified	P101	V	V	\checkmark
Account (1)->	Number:	ZRTP Encryption.0 - no, 1 -		\checkmark	\checkmark	\checkmark



Advanced ->ZRTP	0, 1	yes				
Encryption						
Account (1)->	Number:	SRTP Mode 0 = Disabled, 1	P183	\checkmark	\checkmark	\checkmark
Advanced -> SRTP	0-2	= Enabled but not forced, 2				
Mode		= Enabled and forced				
Account (1)->	Number:	VAD Enable.0 - no, 1 - yes	P50	\checkmark	\checkmark	\checkmark
Advanced -> VAD	0, 1					
Enable						
Account (1)->	Number:	Symmetric RTP.0 - no, 1 -	P291	\checkmark	\checkmark	\checkmark
Advanced ->	0, 1	yes				
Symmetric RTP						
Account (1)->	Number:	Jitter Buffer Type.0 - fixed, 1	P133	\checkmark	\checkmark	\checkmark
Advanced -> Jitter	0, 1	- adaptive				
Buffer Type						
Account (1)->	Number:	Jitter Buffer Length.0 - low,	P132	\checkmark	\checkmark	\checkmark
Advanced -> Jitter	0-2	1 - medium, 2 - high				
Buffer Length						
Account (1)->	Number	Account Ring Tone (0 -	P104	\checkmark	\checkmark	\checkmark
Advanced -> Account	0,1,2,3,4,5	default, 1 - Ring1.bin, 2 -				
Ring Tone	,6,7,8	Ring2.bin, 3 - Ring3.bin, 4 -				
		Ring4.bin, 5 - Ring5.bin, 6 -				
		Ring6.bin, 7 - Ring7.bin, 8 -				
		Ring8.bin)				
Account (1)->	Number:	Ring Timeout (10-300	P185	\checkmark	\checkmark	\checkmark
Advanced -> Ring	10 - 300	seconds, default is 60				
Timeout		seconds)				
Account (1)->	Number:	Use # As Dial Key.0 - no, 1 -	P72		\checkmark	\checkmark
Advanced -> Use #	0, 1	yes				
As Dial Key						
Account (1)->	string	Dial plan (dial plan prefix	P4200	\checkmark	\checkmark	\checkmark
Advanced -> Dial		string)				
Plan						
Account (1)->	Number:	Subscribe for MWI.0 - no,do	P99		\checkmark	\checkmark
Advanced ->	0, 1	not send SUBSCRIBE for				
Subscribe for MWI		Message Waiting Indication,				
		1 - yes,send periodical				
		SUBBSCRIBE				
		for ,Message Waiting				
		indication				
Account (1)->	Number:	Send Anonymous,0 – no,1	P65	\checkmark	\checkmark	\checkmark
Advanced -> Send	0, 1	– yes				
Anonymous				<u> </u>		
Account (1)->	Number:	Anonymous Call	P129	\checkmark		\checkmark
Advanced ->	0, 1	Rejection.0 - no, 1 - yes				
Anonymous Call						



Rejection						
Account (1)->	Number:	Check SIP User ID.0 –	P258	\checkmark	\checkmark	\checkmark
Advanced -> Check	0, 1,2	Don't Check, 1 – Always				
SIP User ID		Check, 2 - Automatic				
Account (1)->	Number:	Auto Answer.0 - no, 1 - yes	P90	\checkmark	\checkmark	\checkmark
Advanced -> Auto	0, 1					
Answer						
Account (1)->	Number:	Allow Auto Answer by	P298	\checkmark	\checkmark	\checkmark
Advanced -> Allow	0, 1	Call-Info.0 - no, 1 - yes				
Auto Answer by						
Call-Info						
Account (1)->	Number:	Turn off Speaker on remote	P299	\checkmark	\checkmark	\checkmark
Advanced -> Turn off	0, 1	disconnect.0 - no, 1 - yes				
Speaker on remote						
disconnect						
Account (1)->	Number	Session Expiration (default	P260	\checkmark	\checkmark	\checkmark
Advanced -> Session		is 180 seconds)				
Expiration						
Account (1)->	Number	Min-Session-Expiration	P261	\checkmark	\checkmark	\checkmark
Advanced -> Min-SE		(default and minimum is 90				
		seconds)				
Account (1)->	Number	Caller Request Timer	P262	\checkmark	\checkmark	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
		No, 1 - Yes				
Account (1)->	Number:	Callee Request Timer	P263	\checkmark	\checkmark	\checkmark
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
		No, 1 - Yes				
Account (1)->	Number:	Force Timer (use timer even	P264	\checkmark	\checkmark	\checkmark
Advanced -> Force	0, 1	when remote party does not				
Timer		support) 0 - No, 1 - Yes				
Account (1)->	Number:	UAC Specify Refresher. 1 -	P266	\checkmark	\checkmark	\checkmark
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)				
Account (1)->	Number:	UAS Specify Refresher. 1 -	P267	\checkmark	\checkmark	\checkmark
Advanced -> UAS	1, 2	UAC, 2 - UAS (When UAC				
Specify Refresher		did not)				
Account (1)->	Number:	Force INVITE (Always	P265	\checkmark	\checkmark	\checkmark
Advanced -> Force	0, 1	refresh with INVITE instead				
INVITE		of UPDATE) 0 - No, 1 - Yes				
Account (1)->	Number	Minimum Hook Flash	P251	\checkmark	\checkmark	\checkmark
Advanced -> Hook		Timing				
Flash Timing->						
Minimum						



Account (1)->	Number	Maximum Hook Flash Timing	P252	\checkmark	\checkmark	\checkmark
Flash Timing->		, in the second s				
Maximum						
Account (1)->	Number	100 - Standard 104 - World	P198			
Advanced -> Special	100. 104	Call 106 - NETHID	1 100	'	•	`
Feature	106					
Account (1)->	Number:	Share Line, 0 - Disable, 1 -	P8771			
Advanced -> Share	0-2	Broadsoft. 2 - BLA				
Line						
Account (1)->	Number:	SCA Barge-In. 0 - Disable, 1	P20976		\checkmark	
Advanced -> SCA	0-1	– Enable.				
Barge-In		Enables or disables the				
		BroadSoft SCA Barge-In				
		feature				
Account (1)->	Number:	Conference Type. 0 - Local,	P20004	\checkmark	\checkmark	\checkmark
Advanced ->	0-1	1 – Enable.				
Conference Type		Enables or disables the				
		BroadSoft SCA Barge-In				
		feature				
Account (1)->	string	Conference URI	P20008	\checkmark	\checkmark	\checkmark
Advanced ->						
Conference URI						
Account (1)->	Number:	SIP Server Type. 0 -	P8791	\checkmark	\checkmark	\checkmark
Advanced -> SIP	0, 1	Default, 1 - BroadSoft				
Server Type						
Account (1)->	Number:	Disable/Enable 100 reliable	P8811	\checkmark	\checkmark	\checkmark
Advanced -> 100	0, 1	retransmission.				
reliable		0: Disable , 1: Enable				
retransmissions				1	1	1
Account (1)->	Number:	Disable/Enable	P8841	\checkmark	\checkmark	\checkmark
Advanced ->	0, 1	Early-Session. 0 - Disable,				
Early-Session		1 - Enable	D 0047	1	1	1
Account (1)->	Number:	Refuse-Return-Code. 0	P8845	N	N	N
Advanced ->	0-2	-BUSY-486, 1 -				
Refuse-Return-Code		NOT-FOUND-404, 2 -				
(1) = (1)	otring	REFUSE-603	D4705		2	2
Account (1)->	sung		P4705	N	N	'N
	otring	Croup Coll Diskup Code	D4706		2	
Account (1)->	sung		F4/00	N	N	N
	Number	Eastura Kay Suna D	D9622		2	1
Account (1)->		Disable 1 Enable	F0033	N	N	N
Auvanceu -> Feature	0, 1					



Key Sync						
Account (1)-> Advanced -> SIP Send Mac	Number: 0, 1	SIP Send Mac.0 - Disable,1 - Enable	P20053	\checkmark	\checkmark	\checkmark
Account (1)-> Advanced ->Caller Display Source	Number: 0, 1,2,3,4	Caller Display Source.0 – From Only, 1 – PAI-FROM, 2 – PAI-RPID-FROM, 3 – RPID-PAI-FROM,4 – RPID-FROM	P20157	V	V	N
Account (2)->basic->Account Active	Number: 0, 1	Account Active (In Use). 0 - No, 1 - Yes	P401	×	V	V
Account (2)->basic->Primary SIP Sserver	Primary SIP Server(eg: sip.mycom pany.com or IP address)	It configures the primary SIP server when the network is locallan 、 remotestun or SBC.	P747	×	V	V
Account (2)->basic->Failover SIP Server	String	Failover SIP Server(Optional, used when primary server no response)	P987	×	\checkmark	V
Account (2)->basic->Second Failover SIP Server	String	Second Failover SipServer(Optional, used when Failover SIP Server no response)	P8852	×	V	V
Account (2)->basic->Prefer Primary SIP Sserver	Number: 0, 1	Prefer Primary SIP Server (In Use). 0 - No, 1 - Yes	P4568	×	V	V
Account (2)->basic->Outboun d Proxy	string	Outbound Proxy(proxy.myprovider.co m, or IP address, if any)	P748	×	V	\checkmark
Account (2)->basic->Backup Outbound Proxy	string	Backup Outbound Proxy(This is Usually Set as IP addr)	P20048	×	V	V
Account (2)->basic->SIP Transport	Number: 0-2	0 - UDP, 1 - TCP, 2 - TLS	P830	×		V
Account (2)->basic->NAT Traversal	Number: 0-2	0 - No, 1 - STUN 2 - No,but send keep alive	P730	×		
Account (2)->basic->Label	String	The name showing on the L CD of current device	P20001	×	V	\checkmark
Account	string	the user part of an SIP	P735	×	\checkmark	\checkmark



(2)->basic->SIP User ID		address				
Account (2)->basic->Authentic ate ID	String	can be identical to or different from SIP User ID	P736	×	\checkmark	\checkmark
Account (2)->basic-> Authenticate Password	String	purposely not displayed for securityprotection	P734	×	\checkmark	\checkmark
Account (2)->basic-> Name	String	The Local phone name showing on the other phone when calling	P703	×	\checkmark	\checkmark
Account (2)->basic->DNS Mode	Number: 0-2	DNS Mode (0 - A Record, 1 - SRV, 2 - NAPTR/SRV)	P702	×	V	\checkmark
Account (2)->basic->User ID Is Phone Number	Number: 0, 1	User ID Is Phone Number.0 - No, 1 - Yes	P763	×	\checkmark	\checkmark
Account (2)->basic->SIP Registration	Number: 0, 1	SIP Registration. 0 - No, 1 - Yes	P731	×	\checkmark	\checkmark
Account (2)->basic-> Unregister On Reboot	Number: 0, 1	Unregister On Reboot.0 - No, 1 - Yes	P752	×	\checkmark	\checkmark
Account (2)->basic-> Register Expiration	number	Register Expiration(in minutes. default 1 hour, max 45 days)	P732	×	\checkmark	\checkmark
Account (2)->basic->Out	Number: 0, 1	Outgoing Call Without Registration.0 - No, 1 - Yes	P813	×	\checkmark	\checkmark
Account (2)->basic-> Local SIP Port	number	Local SIP Port(default 5060)	P740	×	\checkmark	\checkmark
Account (2)->basic-> Use Random Port	Number: 0, 1	Use Random Port.0 - No, 1 - Yes	P778	×	\checkmark	
Account (2)->basic-> Voice Mail UserID	number	Voice Mail UserID(UserID for voice mail system)	P426	×	\checkmark	\checkmark
Account (2)->basic-> RPort	Number: 0, 1	Enable/Disable RPort.0 - No, 1 - Yes	P137	×	\checkmark	\checkmark
Account (2)->basic-> RFC 2543 Hold	Number: 0, 1	RFC 2543 Hold.0 - No, 1 - Yes	P1101	×	\checkmark	
Account (2)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 1. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P757	×	N	V
Account	Number:	Preferred Vocoder In listed	P758	×	\checkmark	\checkmark

E -Itek		Parameter List				
(2)->Codec->	0, 2, 3, 4,	order. choice 2.				
Preferred Vocoder In	8. 9. 18.	0 - PCMU. 2 - G.726-32. 3 -				
listed order	20	GSM FR.4 - G.723.1, 8 -				
		PCMA. 9 - G.722. 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P759	×		\checkmark
(2)->Codec->	0, 2, 3, 4,	order. choice 3.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P760	×		\checkmark
(2)->Codec->	0, 2, 3, 4,	order. choice 4.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P761	×	\checkmark	\checkmark
(2)->Codec->	0, 2, 3, 4,	order. choice 5.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P762	×	\checkmark	\checkmark
(2)->Codec->	0, 2, 3, 4,	order. choice 6.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	1 – 10, 2 – 20, 3 – 30, 4 –	P737	×	\checkmark	\checkmark
(2)->Codec->	1,2,3,4,5,6	40, 5 – 50, 6 - 60				
PTimes(ms)						
Account	Number:	G723 Rate(0 - 6.3kbps	P749	×	N	\checkmark
(2)->Codec-> G723	0, 1	encoding rate, 1 - 5.3kbps				
Rate		encoding rate)		_		1
Account	Number:	iLBC mode.0 - 20ms	P395	×	N	N
(2)->Codec-> ILBC	0, 1	mode,1 - 30ms mode				
mode	Numerican		D004			
Account	Number:	ILBC Payload Type(from 96	P391	×	N	N
	90 to 127	10 127, default is 97)				
	Number		D770		1	2/
		DTMF Payload Type,	F//9	×	Ň	N
DTME Dayload Type	90-120	dofault is 97				
	Number		D20167	~	~	2
		0 = RF02033, 1 = IN AUdIO,	F2010/	×	N	N



Advanced -> DTMF	0, 1,2	2 – SIP INFO				
	Number	Sand Flack Event 0, no. 1	D774			al
Account (2)->		Send Flash Event.0 - no, 1 -	P774	×	N	N
Advanced -> Send	0, 1	yes				
Flash Event					1	1
Account (2)->	Number:	Enable Call Features.0 - no,	P751	×	N	N
Advanced -> Enable	0, 1	1 - yes				
Call Features						
Account (2)->	string	Proxy Require	P792	×	\checkmark	\checkmark
Advanced -> Proxy						
Require						
Account (2)->	string	used in SIP/SDP message i	P866	×	\checkmark	\checkmark
Advanced ->		f specified				
Use NAT IP						
Account (2)->	Number:	ZRTP Encryption.0 - no, 1 -	P20647	×	\checkmark	\checkmark
Advanced ->ZRTP	0, 1	yes				
Encryption						
Account (2)->	Number:	SRTP Mode $0 = $ Disabled. 1	P443	×		
Advanced -> SRTP	0-2	= Enabled but not forced				
Mode	0 -	2 = Enabled and forced				
	Number:	VAD Enable 0 - no. 1 - ves	P750	~	N	N
Advanced -> VAD			1750	^	`	v
Enable	0, 1					
	Numbor	Symmetric PTP0 - no. 1 -	P460	~	2	N
Account $(2)^{->}$			F 400	^	v	v
Summetrie BTD	0, 1	yes				
	Numerican	litter Duffer True 0 fixed 4	D024			./
Account (2)->	Number:	Jitter Buffer Type.0 - fixed, 1	P831	×	N	N
Advanced ->	0, 1				1	1
Account (2)->	Number:	Jitter Buffer Length.0 - low,	P832	×	N	N
Advanced -> Jitter	0-2	1 - medium, 2 - high				
Buffer Length						
Account (2)->	Number	Account Ring Tone(0 -	P423	×	\checkmark	\checkmark
Advanced -> Account	0,1,2,3,4,5	default, 1 - Ring1.bin, 2 -				
Ring Tone	,6,7,8	Ring2.bin, 3 - Ring3.bin, 4 -				
		Ring4.bin, 5 - Ring5.bin, 6 -				
		Ring6.bin, 7 - Ring7.bin, 8 -				
		Ring8.bin)				
Account (2)->	Number	Ring Timeout (10-300	P816	×		\checkmark
Advanced -> Ring	10 - 300	seconds, default is 60				
Timeout		seconds)				
Account (2)->	Number:	Use # As Dial Key.0 - no, 1 -	P772	×		
Advanced -> Use #	0, 1	yes				
As Dial Key						
Account (2)->	strina	Dial plan (dial plan prefix	P4201	×		
Advanced -> Dial		string)				
	1	37	1	1	1	1



Plan						
Account (2)->	Number:	Subscribe for MWI.0 - no,	P709	×	\checkmark	\checkmark
Advanced ->	0, 1	do not send SUBSCRIBE				
Subscribe for MWI		for Message Waiting				
		Indication, 1 - yes, send				
		periodical SUBBSCRIBE				
		for, Message Waiting				
		indication				
Account (2)->	Number:	Send Anonymous,0 – no,1	P421	×	\checkmark	\checkmark
Advanced -> Send	0, 1	– yes				
Anonymous						
Account (2)->	Number:	Anonymous Call	P446	×	\checkmark	\checkmark
Advanced ->	0, 1	Rejection.0 - no, 1 - yes				
Anonymous Call						
Rejection						
Account (2)->	Number:	Check SIP User ID.0 –	P458	×	\checkmark	\checkmark
Advanced -> Check	0, 1,2	Don't Check, 1 – Always				
SIP User ID		Check, 2 - Automatic				
Account (2)->	Number:	Auto Answer.0 - no, 1 - yes	P425	×	\checkmark	\checkmark
Advanced -> Auto	0, 1					
Answer						
Account (2)->	Number:	Allow Auto Answer by	P438	×		\checkmark
Advanced -> Allow	0, 1	Call-Info.0 - no, 1 - yes				
Auto Answer By						
Call-Info						
Account (2)->	Number:	Turn off Speaker on remote	P439	×		\checkmark
Advanced -> Turn off	0, 1	disconnect.0 – no, 1 – yes				
Speaker on remote						
disconnect						
Account (2)->	Number	Session Expiration (default	P434	×	\checkmark	\checkmark
Advanced -> Session		is 180 seconds)				
Expiration						
Account (2)->	Number	Min-Session-Expiration	P427	×	\checkmark	\checkmark
Advanced -> Min-SE		(default and minimum is 90				
		seconds)				
Account (2)->	Number	Caller Request Timer	P428	×	\checkmark	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
		No, 1 - Yes				
Account (2)->	Number:	Callee Request Timer	P429	×		\checkmark
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
		No, 1 - Yes				
Account (2)->	Number:	Force Timer (use timer even	P430	×	\checkmark	\checkmark
Advanced -> Force	0, 1	when remote party does not				

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Timer		support) 0 - No, 1 - Yes				
Account (2) ->	Number:	UAC Specify Refresher. 1 -	P432	×	\checkmark	\checkmark
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)				
Account (2)->	Number:	UAS Specify Refresher. 1 -	P433	×	\checkmark	\checkmark
Advanced -> UAS	1, 2	UAC, 2 - UAS (When UAC				
Specify Refresher		did not)				
Account (2)->	Number:	Force INVITE (Always	P431	×		\checkmark
Advanced -> Force	0, 1	refresh with INVITE instead				
INVITE		of UPDATE) 0 - No, 1 - Yes				
Account (2)->	Number	Minimum Hook Flash	P811	×		\checkmark
Advanced -> Hook		Timing				
Flash Timing->		5				
Minimum						
Account (2)->	Number	Maximum Hook Flash	P812	×		
Advanced -> Hook		Timing				
Flash Timing->						
Maximum						
Account (2)->	Number	100 - Standard, 104 - World	P767	×		
Advanced -> Special	100 104	Call 106 - NETHID		~		`
Feature	106, 101,					
Account (2) ->	String	Eventlist BLE URI	P444	×		
Advanced ->	ounig			~		`
Eventlist BLE LIRI						
	Number:	Share Line 0 - Disable 1 -	P8772	~	2	N
Advanced -> Share	0-2	Broadsoft 2 - BLA	10/72		ľ	v
	02	Diodusoit, 2 DEA				
	Number:	SCA Barge-In 0 - Disable 1	P20977	~	2	N
Advanced -> SCA	0-1	– Enable	1 20311	^	ľ	v
Barge-In	0-1	Enables or disables the				
Darge-III		BroadSoft SCA Bargo-In				
		feature				
$\Lambda_{\rm ccount}(2)$	Numbor		P20005	~	2	N
Account (2) ->		1 Enable	1 20003	^	Ň	v
	0-1	Finables or disables the				
Conference Type		BroadSoft SCA Bargo-In				
		footuro				
$\Lambda_{\text{accurat}}(2)$	otring		B20000			al
Advanced >	Sung		F20009	×	Ň	N
Conforence LIDI						
	Number		D9702		2	2
Advopord > CID		Default 1 Broad Safe	F0/92	×	Ň	N
Auvanceu -> SIP	0, 1					
	Nu una la cras	100 volioble vetre v	D0040			
Account (2)->	Number:		P8812	×	N	γ
Advanced -> 100	0, 1	U - Disable, 1 - Enable				



reliable			
retransmission			
Account (2)-> Number: Early-Session. 0 - Disable, P8842	×	\checkmark	\checkmark
Advanced ->0, 11 - Enable			
Early-Session			
Account (2)->Number:Refuse-Return-Code. 0P8846	×	\checkmark	\checkmark
Advanced -> 0-2 -BUSY-486, 1 -			
Refuse-Return-Code NOT-FOUND-404, 2 -			
REFUSE-603			
Account (2)-> string Direct Call Pickup Code P4715	×	\checkmark	\checkmark
Advanced ->Direct			
Call Pickup Code			
Account (2)-> string Group Call Pickup Code P4716	×	\checkmark	\checkmark
Advanced ->Group			
Call Pickup Code		1	
Account (2)-> Number: Feature Key Sync. 0 - P8634	×	\checkmark	\checkmark
Advanced -> Feature 0, 1 Disable, 1 - Enable			
Key Sync		1	1
Account (2)-> Number: SIP Send Mac.0 - Disable,1 P20054	×	\checkmark	\checkmark
Advanced -> SIP 0, 1 - Enable			
Send Mac		1	1
Account (2)-> Number: Caller Display Source.0 – P20158	×	N	V
Advanced ->Caller 0, 1,2,3,4 From Only, 1 – PAI-FROM,			
Display Source 2 – PAI-RPID-FROM, 3 –			
RPID-PAI-FROM,4 –			
RPID-FROM			
Account Number: Account Active (In Use). 0 - P501	×	N	N
(3)->Dasic->Account 0, 1 No, 1 - Yes			
Active			
Account Primary It configures the primary P502	×	N	N
(3)->basic->Primary SIP SIP server when the			
sip server server eg:			
sip.inycom nonv.com remetestun er SPC			
pany.com remotestun or SBC.			
Account String Failover SID D099			
(3)->basic->Eailover	X	N	v
Account String Second Failover D8252	~	1	
(3)->basic->Second SinServer(Optional used	^	Ň	v
Failover SIP Server			
		1	1
Account Number: Prefer Primary SID Server D/660	×	V	



Primary SIP Sserver						
Account	string	Outbound	P503	×		\checkmark
(3)->basic->Outboun		Proxy(proxy.myprovider.co				
d Proxy		m, or IP address, if any)				
Account	string	Backup Outbound	P20049	×	\checkmark	\checkmark
(3)->basic->Backup		Proxy(This is Usually Set as				
Outbound Proxy		IP addr)				
Account	Number:	0 - UDP, 1 - TCP, 2 - TLS	P930	×	\checkmark	\checkmark
(3)->basic->SIP	0-2					
Transport						
Account	Number:	0 - No, 1 - STUN 2 -	P514	×	\checkmark	\checkmark
(3)->basic->NAT	0-2	No,but send keep alive				
Traversal						
Account	String	The name showing on the L	P20002	×	\checkmark	\checkmark
(3)->basic->Label		CD of current device				
Account	string	the user part of an SIP	P504	×	\checkmark	\checkmark
(3)->basic->SIP User		address				
ID						
Account	String	can be identical to or	P505	×	\checkmark	\checkmark
(3)->basic->Authentic		different from SIP User ID				
ate ID						
Account (3)->basic->	String	purposely not displayed for	P506	×	\checkmark	\checkmark
Authenticate		securityprotection				
Password						
Account (3)->basic->	String	The Local phone name	P507	×	\checkmark	\checkmark
Name		showing on the other phone				
		when calling				
Account	Number:	DNS Mode (0 - A Record, 1	P508	×	\checkmark	\checkmark
(3)->basic->DNS	0-2	- SRV, 2 - NAPTR/SRV)				
Mode						
Account	Number:	User ID Is Phone Number.0	P509	×	\checkmark	\checkmark
(3)->basic->User ID	0, 1	- No, 1 - Yes				
Is Phone Number						
Account	Number:	SIP Registration. 0 - No, 1 -	P510	×	\checkmark	\checkmark
(3)->basic->SIP	0, 1	Yes				
Registration						
Account (3)->basic->	Number:	Unregister On Reboot.0 -	P511	×		
Unregister On	0, 1	No, 1 - Yes				
Reboot						
Account (3)->basic->	number	Register Expiration(in	P512	×		\checkmark
Register Expiration		minutes. default 1 hour,				
		max 45 days)				
Account	Number:	Outgoing Call Without	P913	×	\checkmark	\checkmark
(3)->basic->Out	0, 1	Registration.0 - No, 1 - Yes				
Account (3)->basic-> Local SIP Port	number	Local SIP Port(default 5060)	P513	×	\checkmark	\checkmark
---	---	---	-------	---	--------------	--------------
Account (3)->basic-> Use Random Port	Number: 0. 1	Use Random Port.0 - No, 1 - Yes	P578	×	\checkmark	\checkmark
Account (3)->basic->	number	Voice Mail UserID(UserID	P526	×	\checkmark	\checkmark
Account (3)->basic->	Number:	Enable/Disable RPort.0 -	P138	×	\checkmark	\checkmark
Account (3)->basic->	Number:	RFC 2543 Hold.0 - No, 1 -	P1102	×	\checkmark	\checkmark
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 1. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P551	×	N	N
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 2. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P552	×	N	V
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 3. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P553	×	V	\checkmark
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 4. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P554	×	V	\checkmark
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 5. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P555	×	√	N
Account (3)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 6. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722. 18 -	P556	×	\checkmark	V



		G.729A/B,20 - iLBC.				
Account	Number:	1 - 10, 2 - 20, 3 - 30, 4 -	P737	×		\checkmark
(3)->Codec->	1,2,3,4,5,6	40, 5 – 50, 6 - 60				
PTimes(ms)						
Account	Number:	G723 Rate (0 - 6.3kbps	P559	×	\checkmark	\checkmark
(3)->Codec-> G723	0, 1	encoding rate, 1 - 5.3kbps				
Rate		encoding rate)				
Account	Number:	iLBC mode.0 - 20ms	P396	×		\checkmark
(3)->Codec-> iLBC	0, 1	mode,1 - 30ms mode				
mode						
Account	Number:	iLBC Payload Type (from 96	P392	×	\checkmark	\checkmark
(3)->Codec-> iLBC	96 to 127	to 127, default is 97)				
Payload Type						
Account	Number:		P579	×	\checkmark	\checkmark
(3)->Advanced->	96-127	DIMF Payload Type,				
DTMF Payload Type		default is 97				
Account (3)->	Number:	0 – RFC2833, 1 – IN Audio,	P20168	×		\checkmark
Advanced -> DTMF	0, 1,2	2 – SIP INFO				
Туре						
Account (3)->	Number:	Send Flash Event.0 - no, 1 -		×	\checkmark	\checkmark
Advanced -> Send	0, 1	yes				
Flash Event						
Account (3)->	Number:	Enable Call Features.0 - no,	P1891	×	\checkmark	\checkmark
Advanced -> Enable	0, 1	1 - yes				
Call Features						
Account (3)->	String	Use NAT IP (use in	P566	×	\checkmark	\checkmark
Advanced -> Use		SIP/SDP message if				
NAT IP		specified)				
Account (3)->	string	Proxy Require	P518	×	\checkmark	\checkmark
Advanced -> Proxy						
Require						
Account (3)->	Number:	ZRTP Encryption.0 - no, 1 -	P20648	×	\checkmark	\checkmark
Advanced ->ZRTP	0, 1	yes				
Encryption						
Account (3)->	Number	SRTP Mode 0 = Disabled, 1	P543	×	\checkmark	\checkmark
Advanced -> SRTP	0-2	= Enabled but not forced, 2				
Mode		= Enabled and forced				
Account (3)->	Number:	VAD Enable.0 - no, 1 - yes	P550	×	\checkmark	\checkmark
Advanced -> VAD	0, 1					
Enable						
Account (3)->	Number:	Symmetric RTP.0 - no, 1 -	P591	×	\checkmark	\checkmark
Advanced ->	0, 1	yes				
Symmetric RTP						
Account (3)->	Number:	Jitter Buffer Type.0 - fixed, 1	P1133	×	\checkmark	\checkmark
Advanced ->Jitter	0, 1	- adaptive				



Buffer Type						
Account (3)->	Number	Jitter Buffer Length.0 - low,	P1132	×	\checkmark	\checkmark
Advanced -> Jitter	0-2	1 - medium, 2 - high				
Buffer Length						
Account (3)->	Number	Account Ring Tone (0 -	P523	×	\checkmark	\checkmark
Advanced -> Account	0,1,2,3,4,5	default, 1 - Ring1.bin, 2 -				
Ring Tone	,6,7,8	Ring2.bin, 3 - Ring3.bin, 4 -				
		Ring4.bin, 5 - Ring5.bin, 6 -				
		Ring6.bin, 7 - Ring7.bin, 8 -				
		Ring8.bin)				
Account (3)->	Number	Ring Timeout (10-300	P1885	×	\checkmark	\checkmark
Advanced -> Ring	10 - 300	seconds, default is 60				
Timeout		seconds)				
Account (3)->	Number:	Use # As Dial Key.0 - no, 1 -	P1672	×	\checkmark	\checkmark
Advanced -> Use #	0, 1	yes				
As Dial Key						
Account (3)->	string	Dial plan (dial plan prefix	P4202	×	\checkmark	\checkmark
Advanced -> Dial		string)				
Plan						
Account (3)->	Number:	Subscribe for MWI.0 - no,	P515	×	\checkmark	\checkmark
Advanced ->	0, 1	do not send SUBSCRIBE				
Subscribe for MWI		for Message Waiting				
		Indication, 1 - yes, send				
		periodical SUBBSCRIBE				
		for, Message Waiting				
		indication				
Account (3)->	Number:	Send Anonymous,0 – no,1	P521	×	\checkmark	\checkmark
Advanced -> Send	0, 1	– yes				
Anonymous					1	1
Account (3)->	Number:	Anonymous Call	P1846	×	V	V
Advanced ->	0, 1	Rejection.0 - no, 1 - yes				
Anonymous Call						
Rejection			D =0-		1	1
Account (3)->	Number:	Check SIP User ID.0 –	P567	×	N	N
Advanced -> Check	0, 1,2	Don't Check, 1 – Always				
SIP User ID		Check, 2 - Automatic	Dear		1	1
Account (3)->	Number:	Auto Answer.0 - no, 1 - yes	P525	×	N	N
Advanced -> Auto	0, 1					
Answer	Nusahari		DECO			
Account (3)->	Number:	Allow Auto Answer by	P538	×	N	N
Auto Anomer Du	0, 1	Call-Into.0 - n0, 1 - yes				
Auto Answer By						
	Nu usa la crist		DECO			
Account (3)->		iurn oπ Speaker on remote	P539	×	γ	N
Advanced -> Turn off	0, 1	aisconnect.u – no, 1 – yes				



Speaker on remote						
disconnect						
Account (3)->	Number	Session Expiration (default	P534	×	\checkmark	\checkmark
Advanced -> Session		is 180 seconds)				
Expiration						
Account (3)->	Number	Min-Session-Expiration	P527	×	\checkmark	\checkmark
Advanced -> Min-SE		(default and minimum is 90				
		seconds)				1
Account (3)->	Number	Caller Request Timer	P528	×	\checkmark	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
(-)		No, 1 - Yes				1
Account (3)->	Number:	Callee Request Timer	P529	×	\checkmark	\checkmark
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
A (2)		No, 1 - Yes	DECO		1	1
Account (3)->	Number:	Force Timer (use timer even	P530	×	N	N
	0, 1	when remote party does not				
limer		support) 0 - No, 1 - Yes			1	1
Account (3) ->	Number:	UAC Specify Refresher. 1 -	P532	×	N	N
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)			1	1
Account (3)->	Number:	UAS Specify Refresher. 1 -	P533	×	N	V
Advanced -> UAS	1, 2	UAC, 2 - UAS (When UAC				
Specify Refresher			DEG		1	1
Account (3)->	Number:	Force INVITE (Always	P531	×	N	N
Advanced -> Force	0, 1	refresh with INVITE instead				
		of UPDATE) 0 - No, 1 - Yes	D (D (D)		1	1
Account (3)->	Number	Minimum Hook Flash	P1811	×	N	V
Advanced -> Hook		liming				
Flash Timing->						
Minimum					1	1
Account (3)->	Number	Maximum Hook Flash	P1812	×	N	V
Advanced -> Hook		Timing				
Flash Timing->						
Maximum					1	1
Account (3)->	Number	100 - Standard, 104 - World	P524	×	N	\checkmark
Advanced -> Special	100, 104,	Call, 106 - NETHID				
Feature	106				1	1
Account (3)->	string	Eventlist BLF URL	P544	×	٦	\checkmark
Advanced -> Eventlist						
BLF URL					1	1
Account (3)->	Number:	Share Line. 0 - Disable, 1 -	P8773	×	٦	\checkmark
Advanced -> Share	0-2	Broadsoft, 2 - BLA				
Line						



Account (3)->	Number:	SCA Barge-In. 0 - Disable, 1	P20978	×	\checkmark	\checkmark
Advanced -> SCA	0-1	– Enable.				
Barge-In		Enables or disables the				
		BroadSoft SCA Barge-In				
		feature				
Account (3)->	Number:	Conference Type. 0 - Local,	P20006	×	\checkmark	\checkmark
Advanced ->	0-1	1 – Enable.				
Conference Type						
Account (3)->	string	Conference URI	P20010	×	\checkmark	\checkmark
Advanced ->						
Conference URI						
Account (3)->	Number:	SIP Server Type. 0 -	P8793	×	\checkmark	\checkmark
Advanced -> SIP	0, 1	Default, 1 - BroadSoft				
Server Type						
Account (3)->	Number:	100 reliable	P8813	×	\checkmark	\checkmark
Advanced -> 100	0, 1	retransmissions. 0 -				
reliable		Disable, 1 - Enable				
retransmissions						
Account (3)->	Number:	Early-Session. 0 - Disable,	P8843	×	\checkmark	\checkmark
Advanced ->	0, 1	1 - Enable				
Early-Session						
Account (3)->	Number:	Refuse-Return-Code. 0	P8847	×	\checkmark	\checkmark
Advanced ->	0-2	-BUSY-486, 1 -				
Refuse-Return-Code		NOT-FOUND-404, 2 -				
		REFUSE-603				
Account (3)->	string	Direct Call Pickup Code	P4725	×	\checkmark	\checkmark
Advanced ->Direct						
Call Pickup Code						
Account (3)->	string	Group Call Pickup Code	P4726	×	\checkmark	\checkmark
Advanced ->Group						
Call Pickup Code						
Account (3)->	Number:	Feature Key Sync. 0 -	P8635	×	\checkmark	\checkmark
Advanced -> Feature	0, 1	Disable, 1 - Enable				
Key Sync						
Account (3)->	Number:	SIP Send Mac.0 - Disable,1	P20055	×	\checkmark	\checkmark
Advanced -> SIP	0, 1	- Enable				
Send Mac						
Account (3)->	Number:	Caller Display Source.0 -	P20159	×	\checkmark	\checkmark
Advanced ->Caller	0, 1,2,3,4	From Only, 1 – PAI-FROM,				
Display Source		2 – PAI-RPID-FROM, 3 –				
		RPID-PAI-FROM,4 –				
		RPID-FROM				
Account	Number:	Account Active (In Use). 0 -	P601	×	\checkmark	\checkmark
(4)->basic->Account	0, 1	No, 1 - Yes				
Active						

E l-Itek		Parameter List				
Account (4)->basic->Primary SIP Sserver	Primary SIP Server(eg: sip.mycom pany.com	It configures the primary SIP server when the network is locallan 、 remotestun or SBC.	P602	×	V	V
Account	or IP address) String	Failover SIP Server	P989	×	√	√
(4)->basic->Failover SIP Server		(Optional, used when primary server no response)				
Account (4)->basic->Second Failover SIP Server	String	Second Failover SipServer(Optional, used when Failover SIP Server no response)	P8854	×	N	N
Account (4)->basic->Prefer Primary SIP Sserver	Number: 0, 1	Prefer Primary SIP Server (In Use). 0 - No, 1 - Yes	P4570	×	\checkmark	\checkmark
Account (4)->basic->Outboun d Proxy	string	Outbound Proxy(proxy.myprovider.co m, or IP address, if any)	P603	×	\checkmark	\checkmark
Account (4)->basic->Backup Outbound Proxy	string	Backup Outbound Proxy (This is Usually Set as IP addr)	P20050	×	\checkmark	\checkmark
Account (4)->basic->SIP Transport	Number: 0-2	0 - UDP, 1 - TCP, 2 - TLS	P1030	×	\checkmark	V
Account (4)->basic->NAT Traversal	Number: 0-2	0 - No, 1 - STUN 2 - No,but send keep alive	P614	×	\checkmark	V
Account (4)->basic->Label	String	The name showing on the L CD of current device	P20002	×	\checkmark	√
Account (4)->basic->SIP User ID	string	the user part of an SIP address	P604	×	\checkmark	1
Account (4)->basic->Authentic ate ID	String	can be identical to or different from SIP User ID	P605	×	V	1
Account (4)->basic-> Authenticate Password	String	purposely not displayed for securityprotection	P606	×	V	~
Account (4)->basic-> Name	String	The Local phone name showing on the other phone when calling	P607	×	V	~
Account	Number:	DNS Mode (0 - A Record, 1	P608	×	\checkmark	



(4)->basic->DNS	0-2	- SRV, 2 - NAPTR/SRV)				
Mode					1	1
Account	Number:	User ID Is Phone Number.0	P609	×	\checkmark	N
(4)->basic->User ID	0, 1	- No, 1 - Yes				
Is Phone Number						
Account	Number:	SIP Registration. 0 - No, 1 -	P610	×	\checkmark	\checkmark
(4)->basic->SIP	0, 1	Yes				
Registration						
Account (4)->basic->	Number:	Unregister On Reboot.0 -	P611	×	\checkmark	\checkmark
Unregister On	0, 1	No, 1 - Yes				
Reboot						
Account (4)->basic->	number	Register Expiration (in	P612	×	\checkmark	
Register Expiration		minutes. default 1 hour,				
5 1		max 45 davs)				
Account	Number:	Outgoing Call Without	P1013	×		
(4)->basic->Out	0. 1	Registration 0 - No. 1 - Yes				
Account (4)->basic->	number	Local SIP Port (default	P613	×		
Local SIP Port	namber	5060)	1 010	Â		•
$\Delta ccount(4) > basis >$	Numbor	Lise Bandom Bort 0 No. 1	D679	~	2	1
Lice Pondom Port			F070	~	v	N
	0, 1		Deac			
Account (4)->basic->	number	Voice Mail UseriD(UseriD	P626	×	N	N
Voice Mail UserID		for voice mail system)			1	1
Account (4)->basic->	Number:	Enable/Disable RPort.0 -	P139	×	\checkmark	N
RPort	0, 1	No, 1 - Yes				
Account (4)->basic->	Number:	RFC 2543 Hold.0 - No, 1 -	P1103	×	\checkmark	\checkmark
RFC 2543 Hold	0, 1	Yes				
Account	Number:	Preferred Vocoder In listed	P651	×	\checkmark	
(4)->Codec->	0, 2, 3, 4,	order. choice 1.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P652	×		
(4)->Codec->	0, 2, 3, 4,	order. choice 2.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM FR.4 - G.723.1.8 -				
	_	PCMA, 9 - G.722, 18 -				
		G 729A/B 20 - il BC				
Account	Number:	Preferred Vocoder In listed	P653	×		
(4)->Codec->	0 2 3 4	order choice 3	1 000			
Preferred Vocoder In	8 0 12	0 - PCMIL 2 - C 726-32 3 -				
lieted order	20	CSM ER A = C 702.1 0				
	20	DCMA 0 = C 702 10				
		1 GIVIA, 3 G, 122, 10 G				
Account	Niume I. a m	G. 1 29A/D, 20 - ILBC.	DOF 4		./	./
ACCOUNT	Number:	Preferred vocoder in listed	1654	×	N	γ

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(4)->Codec->	0, 2, 3, 4,	order. choice 4.				
Preferred Vocoder In	8. 9. 18.	0 - PCMU. 2 - G.726-32. 3 -				
listed order	20	GSM FR,4 - G.723.1, 8 -				
		PCMA. 9 - G.722. 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P655	×		\checkmark
(4)->Codec->	0, 2, 3, 4,	order. choice 5.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P656	×	\checkmark	\checkmark
(4)->Codec->	0, 2, 3, 4,	order. choice 6.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	1 – 10, 2 – 20, 3 – 30, 4 –	P637	×	\checkmark	\checkmark
(4)->Codec->	1,2,3,4,5,6	40, 5 – 50, 6 - 60				
PTimes(ms)						
Account	Number:0,	G723 Rate (0 - 6.3kbps	P659	×	\checkmark	\checkmark
(4)->Codec-> G723	1	encoding rate, 1 - 5.3kbps				
Rate		encoding rate)				
Account	Number:	iLBC mode.0 - 20ms	P397	×	\checkmark	\checkmark
(4)->Codec-> iLBC	0, 1	mode,1 - 30ms mode				
mode						
Account	Number:	iLBC Payload Type (from 96	P393	×	\checkmark	\checkmark
(4)->Codec-> iLBC	96 to 127	to 127, default is 97)				
Payload Type						
Account	number	DTMF Payload Type .	P679	×	\checkmark	\checkmark
(4)->Advanced->						
DTMF Payload Type		default is 97			1	
Account (4)->	Number:	0 – RFC2833, 1 – IN Audio,	P20169	×	\checkmark	\checkmark
Advanced -> DTMF	0, 1,2	2 – SIP INFO				
Туре					1	
Account (4)->	Number:	Send Flash Event.0 - no, 1 -		×	N	N
Advanced -> Send	0, 1	yes				
Flash Event					1	1
Account (4)->	Number:	Enable Call Features.0 - no,		×	N	N
Advanced -> Enable	U, 1	1 - yes				
	a tui	David David	Dodo		1	
Account (4)->	string	Proxy Require	P618	×	N	N
Advanced -> Proxy						
	O taria a		DOCO		.1	
Account (4)->	String	Used in SIP/SDP message	P866	×	γ	N



Advanced -> Use		if specified				
Account $(A)_{>}$	Numbor	ZPTP Encryption 0 - no. 1 -	P20640	~	2	2
Advanced ->7RTP		ves	1 20043	^	v	v
Encryption	0, 1	yco				
Account (4)->	Number	SRTP Mode $0 = $ Disabled 1	P643	×		
Advanced -> SRTP	0-2	- Enabled but not forced 2	1 040	Â		
Mode	02	= Enabled and forced				
Account (4) ->	Number:	VAD Enable 0 - no. 1 - yes	P695	~	N	1
Advanced -> VAD			1 000	Â	,	
Fnable	0, 1					
Account (4)->	Number:	Symmetric RTP0 - no. 1 -	P691	×		
Advanced ->		Ves	1 001	^		
Symmetric RTP	0, 1	yes				
	Number:	litter Buffer Type 0 - fixed 1	P1233	~	N	1
Advanced -> litter		- adaptive	1 1200	^	v	v
Buffer Type	0, 1					
Account (A) ->	Number	litter Buffer Length 0 - Jow	P1232	~	N	1
Advanced -> litter		1 - medium 2 - high	1 1232	^	Ň	v
Buffer Length	0-2	r - meaidin, z - nign				
	Numbor	Account Ping Topo (0 -	D623	~	2	2
Account (4) ->		default 1 - Ping1 bin 2 -	F 023	^	Ň	v
Ring Tone	678	$\frac{1}{2} = \frac{1}{2} = \frac{1}$				
	,0,7,0	$\frac{1}{1000} = \frac{1}{1000} = 1$				
		Ring4.bin, $3 - Ring3.bin, 0 - Ring4.bin, 8 - Ring4.bin, 7 - Ring7.bin, 8 -$				
		Ring8 hin)				
Account (A)->	Number	Ring Timeout (10-300	P1886	~	N	1
Advanced -> Ring	10 - 300	seconds default is 60	1 1000	Â	,	
		seconds)				
Account (4)->	Number:	Use # As Dial Key 0 - no. 1 -	P1772	×		
Advanced -> Use #	0 1	ves			'	
As Dial Key	0, 1	,				
Account (4) ->	string	Dial plan (dial plan prefix	P4203	×		
Advanced -> Dial	- culling	string)				
Plan						
Account (4)->	Number:	Subscribe for MWI.0 - no.do	P615	×		
Advanced ->	0, 1	not send SUBSCRIBE for				
Subscribe for MWI	,	Message Waiting Indication,				
		1 - yes, send periodical				
		SUBBSCRIBE				
		for ,Message Waiting				
		indication				
Account (4)->	Number:	Send Anonymous.0 – no.1	P621	×		
Advanced -> Send	0, 1	– yes				
Anonymous						

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Account (4)->	Number:	Anonymous Call	P1946	×	\checkmark	\checkmark
Advanced ->	0, 1	Rejection.0 - no, 1 - yes				
Anonymous Call						
Rejection						
Account (4)->	Number:	Check SIP User ID.0 –	P667	×	\checkmark	\checkmark
Advanced -> Check	0, 1,2	Don't Check, 1 – Always				
SIP User ID		Check, 2 - Automatic				
Account (4)->	Number:	Auto Answer.0 - no, 1 - yes	P625	×	\checkmark	\checkmark
Advanced -> Auto	0, 1					
Answer						
Account (4)->	Number:	Allow Auto Answer By	P638	×	\checkmark	\checkmark
Advanced -> Allow	0, 1	Call-Info.0 - no, 1 - yes				
Auto Answer By						
Call-Info						
Account (4)->	Number:	Turn off Speaker on remote	P639	×	\checkmark	\checkmark
Advanced -> Turn off	0, 1	disconnect.0 – no, 1 – yes				
Speaker on remote						
disconnect						
Account (4)->	Number	Session Expiration (default	P634	×	\checkmark	\checkmark
Advanced -> Session		is 180 seconds)				
Expiration						
Account (4)->	Number	Min-Session-Expiration	P627	×	\checkmark	\checkmark
Advanced -> Min-SE		(default and minimum is 90				
		seconds)				
Account (4)->	Number	Caller Request Timer	P628	×	\checkmark	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
		No, 1 - Yes				
Account (4)->	Number:	Callee Request Timer	P629	×	\checkmark	\checkmark
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
		No, 1 - Yes				
Account (4)->	Number:	Force Timer (use timer even	P630	×	\checkmark	\checkmark
Advanced -> Force	0, 1	when remote party does not				
Timer		support) 0 - No, 1 - Yes				
Account (4) ->	Number:	UAC Specify Refresher. 1 -	P632	×	\checkmark	\checkmark
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)				
Account (4)->	Number:	UAS Specify Refresher. 1 -	P633	×	\checkmark	\checkmark
Advanced -> UAS	1, 2	UAC, 2 - UAS(When UAC				
Specify Refresher		did not)				
Account (4)->	Number:	Force INVITE (Always	P631	×	\checkmark	\checkmark
Advanced -> Force	0, 1	refresh with INVITE instead				
INVITE		of UPDATE) 0 - No, 1 - Yes				
Account (4)->	Number	Minimum Hook Flash	P1911	×		



Advanced -> Hook		Timing				
Flash Timing->						
Minimum						
Account (4)->	Number	Maximum Hook Flash	P1912	×	\checkmark	
Advanced -> Hook		Timing				
Flash Timing->						
Maximum						
Account (4)->	Number	100 - Standard, 104 - World	P624	×	\checkmark	
Advanced -> Special	100, 104,	Call, 106 - NETHID				
Feature	106					
Account (4)->	String	Eventlist BLF URL	P644	×		
Advanced ->	5					
Eventlist BLF URL						
Account (4) ->	Number:	Share Line, 0 - Disable, 1 -	P8774	×		
Advanced -> Share	0-2	Broadsoft 2 - BLA				
	02					
	Number:	SCA Barge-In 0 - Disable 1	P20979	v		
Advanced -> SCA	0-1	– Enable	1 2007 0		`	Y
Barge-In	01	Enables or disables the				
Darge-III		BroadSoft SCA Bargo-In				
		foaturo				
$\Lambda_{\text{count}}(A) >$	Numbor		P20007	~	2	2
Account $(4)^{->}$		1 Enable	F 20007	^	v	v
Conforance Type	0-1					
	otring	Conforance LIRI	D20011		2	2
Account (4)->	sung		F20011	×	N	N
Auvanceu ->						
	Number		D9704			
Account (4)->	Number.	SIP Server Type. 0 -	P0794	×	N	N
Advanced -> SIP	0, 1					
Server Type			D 0044		1	1
Account (4)->	Number:	100 reliable	P8814	×	N	γ
Advanced -> 100	0, 1	retransmissions. 0 -				
reliable		Disable, 1 - Enable				
retransmissions					1	1
Account (4)->	Number:	Early-Session. 0 - Disable,	P8844	×	N	\checkmark
Advanced ->	0, 1	1 - Enable				
Early-Session						
Account (4)->	Number:	Refuse-Return-Code. 0	P8848	×	\checkmark	\checkmark
Advanced ->	0-2	-BUSY-486, 1 -				
Refuse-Return-Code		NOT-FOUND-404, 2 -				
		REFUSE-603				
Account (4)->	string	Direct Call Pickup Code	P4735	×	\checkmark	\checkmark
Advanced ->Direct						
Call Pickup Code						
Account (4)->	string	Group Call Pickup Code	P4736	×		



Advanced ->Group						
Call Pickup Code						
Account (4)->	Number:	Feature Key Sync. 0 -	P8656	×	\checkmark	\checkmark
Advanced -> Feature	0, 1	Disable, 1 - Enable				
Key Sync						
Account (4)->	Number:	SIP Send Mac.0 - Disable,1	P20056	×	\checkmark	\checkmark
Advanced -> SIP	0, 1	- Enable				
Send Mac						
Account (4)->	Number:	Caller Display Source.0 –	P20160	×	\checkmark	\checkmark
Advanced ->Caller	0, 1,2,3,4	From Only, 1 – PAI-FROM,				
Display Source		2 – PAI-RPID-FROM, 3 –				
		RPID-PAI-FROM,4 –				
		RPID-FROM				
Account	Number:	Account Active (In Use). 0 -	P20360	×	×	\checkmark
(5)->basic->Account	0, 1	No, 1 - Yes				
Active						
Account	Primary	It configures the primary	P20362	×	×	\checkmark
(5)->basic->Primary	SIP	SIP server when the				
SIP Sserver	Server(eg:					
	sip.mycom	network is localian ,				
	pany.com	remotestun or SBC.				
	or IP					
	address)					
Account	String	Failover SIP Server	P20364	×	×	\checkmark
(5)->basic->Failover		(Optional, used when				
SIP Server		primary server no response)				
Account	String	Second Failover	P20366	×	×	\checkmark
(5)->basic->Second		SipServer(Optional, used				
Failover SIP Server		when Failover SIP Server				
		no response)				
Account	Number:	Prefer Primary SIP Server	P20368	×	×	\checkmark
(5)->basic->Prefer	0, 1	(In Use). 0 - No, 1 - Yes				
Primary SIP Sserver						
Account	string	Outbound	P20370	×	×	\checkmark
(5)->basic->Outboun		Proxy(proxy.myprovider.co				
d Proxy		m, or IP address, if any)				
Account	Sting	Backup Outbound Proxy	P20372	×	×	\checkmark
(5)->basic->Backup		(This is Usually Set as IP				
Outbound Proxy		addr)				
Account	Number:	0 - UDP, 1 - TCP, 2 - TLS	P20374	×	×	\checkmark
(5)->basic->SIP	0-2					
Transport						
Account	Number:	0 - No, 1 - STUN 2 - No,	P20376	×	×	
(5)->basic->NAT	0-2	but send keep alive				
Traversal						



Account (5)->basic->Label	string	Label	P20378	×	×	\checkmark
Account (5)->basic->SIP User ID	string	Displayname.line.1	P1704	×	×	V
Account (5)->basic->Authentic ate ID	String	Authenticate ID	P1705	×	×	\checkmark
Account (5)->basic-> Authenticate Password	String	Authenticate Password	P1706	×	×	\checkmark
Account (5)->basic-> Name	String	Name	P1707	×	×	\checkmark
Account (5)->basic->DNS Mode	Number: 0-2	DNS Mode (0 - A Record, 1 - SRV, 2 - NAPTR/SRV)	P20380	×	×	\checkmark
Account (5)->basic->User ID Is Phone Number	Number: 0, 1	User ID Is Phone Number.0 - No, 1 – Yes. If you enable this option. The SIP message send by IP phone will contain "user = phone".	P20382	×	×	V
Account (5)->basic->SIP Registration	Number: 0, 1	SIP Registration. 0 - No, 1 - Yes	P20384	×	×	\checkmark
Account (5)->basic-> Unregister On Reboot	Number: 0, 1	Unregister On Reboot.0 - No, 1 - Yes	P20386	×	×	\checkmark
Account (5)->basic-> Register Expiration	number	Register Expiration (in minutes. default 1 hour, max 45 days)	P20388	×	×	\checkmark
Account (5)->basic->Out Outgoing Call Without Registration	Number: 0, 1	Outgoing Call Without Registration.0 - No, 1 - Yes	P 1113	×	×	V
Account (5)->basic-> Local SIP Port	number	Local SIP Port (default 5060)	P1713	×	×	\checkmark
Account (5)->basic-> Use Random Port	Number: 0, 1	Use Random Port.0 - No, 1 - Yes	P20390	×	×	\checkmark
Account (5)->basic-> Voice Mail UserID	number	Voice Mail UserID(UserID for voice mail system)	P1726	×	×	\checkmark
Account (5)->basic-> RPort	Number: 0, 1	RPort.0 - No, 1 - Yes	P140	×	×	\checkmark
Account (5)->basic-> RFC 2543 Hold	Number: 0, 1	RFC 2543 Hold.0 - No, 1 - Yes	P1104	×	×	
Account	Number:	Preferred Vocoder In listed	P20392	×	×	

Htek		Parameter List				
(5)->Codec-> Preferred Vocoder In listed order	0, 2, 3, 4, 8, 9, 18, 20	order. choice 1. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.				
Account (5)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 2. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P20394	×	×	\checkmark
Account (5)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 3. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P20396	×	×	V
Account (5)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 4. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P20398	×	×	V
Account (5)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 5. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P20400	×	×	V
Account (5)->Codec-> Preferred Vocoder In listed order	Number: 0, 2, 3, 4, 8, 9, 18, 20	Preferred Vocoder In listed order. choice 6. 0 - PCMU, 2 - G.726-32, 3 - GSM_FR,4 - G.723.1, 8 - PCMA, 9 - G.722, 18 - G.729A/B,20 - iLBC.	P20402	×	×	V
Account (5)->Codec-> PTimes(ms)	Number: 1,2,3,4,5,6	1 – 10, 2 – 20, 3 – 30, 4 – 40, 5 – 50, 6 - 60	P20408	×	×	\checkmark
Account (5)->Codec-> G723 Rate	Number: 0, 1	G723 Rate (0 - 6.3kbps encoding rate, 1 - 5.3kbps encoding rate)	P20410	×	×	\checkmark
Account (5)->Codec-> iLBC mode	Number: 0, 1	iLBC mode.0 - 20ms mode,1 - 30ms mode	P20412	×	×	N
Account	Number:	iLBC Payload Type(from 96	P20414	×	×	\checkmark

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(5)->Codoc-> il BC	96 to 127	to 127 default is 97)				
	30 10 127					
			P20416	~	~	2
$(5) \rightarrow Advanced \rightarrow$	Number :	DTMF Payload Type ,	F20410	^	^	v
DTMF Payload Type	96-127	default is 97				
Account (5)->	Number:	0 – RFC2833, 1 – IN Audio,	P20170	×	×	\checkmark
Advanced -> DTMF	0, 1,2	2 – SIP INFO				
Туре						
Account (5)->	Number:0.	Send Flash Event.0 - no. 1 -	P20424	×	×	
Advanced -> Send	1	ves	_			
Flash Event		5				
Account (5)->	Number:0,	Enable Call Features.0 - no,	P20426	×	×	
Advanced -> Enable	1	1 - ves				
Call Features		y				
Account (5)->	strina		P20428	×	×	
Advanced -> Proxv	5					
Require						
Account (5)->	Strina	Used in SIP/SDP message	P20430	×	×	
Advanced ->Use NAT	U	if specified				
IP						
Account (5)->	Number:	ZRTP Encryption.0 - no, 1 -	P20650	×	×	\checkmark
Advanced ->ZRTP	0, 1	yes				
Encryption						
Account (5)->	Number	SRTP Mode 0 = Disabled, 1	P20432	×	×	\checkmark
Advanced -> SRTP	0-2	= Enabled but not forced, 2				
Mode		= Enabled and forced				
Account (5)->	Number:	VAD Enable.0 - no, 1 – yes.	P20434	×	×	\checkmark
Advanced -> VAD	0, 1	If you enable this option.				
Enable		When on a call, if the				
		phones find that you are not				
		speaking, it will send CNG				
		packet but not voice packet.				
Account (5)->	Number:	Symmetric RTP.0 - no, 1 -	P20436	×	×	\checkmark
Advanced ->	0, 1	yes				
Symmetric RTP						
Account (5)->	Number:	Jitter Buffer Type.0 - fixed, 1	P20438	×	×	\checkmark
Advanced -> Jitter	0, 1	- adaptive				
Buffer Type						
Account (5)->	Number	Jitter Buffer Length.0 - low,	P20440	×	×	\checkmark
Advanced -> Jitter	0-2	1 - medium, 2 - high				
Buffer Length						
Account (5)->	Number	Account Ring Tone (0 -	P1723	×	×	
Advanced -> Account	0,1,2,3,4,5	default, 1 - Ring1.bin, 2 -				
Ring Tone	,6,7,8	Ring2.bin, 3 - Ring3.bin, 4 -				
		Ring4.bin, 5 - Ring5.bin, 6 -				

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		Ring6.bin, 7 - Ring7.bin, 8 - Ring8.bin)				
Account (5)-> Advanced -> Ring Timeout	Number 10 - 300	Ring Timeout (10-300 seconds, default is 60 seconds)	P20442	×	×	\checkmark
Account (5)-> Advanced -> Use # As Dial Key	Number: 0, 1	Use # As Dial Key.0 - no, 1 - yes	P20444	×	×	\checkmark
Account (5)-> Advanced -> Dial Plan	string	Dial plan (dial plan prefix string)	P4204/420 5	×	×	V
Account (5)-> Advanced -> Subscribe for MWI	Number: 0, 1	Subscribe for MWI.0 - no, do not send SUBSCRIBE for Message Waiting Indication, 1 - yes, send periodical SUBBSCRIBE for, Message Waiting indication	P1715/181 5	×	×	\checkmark
Account (5)-> Advanced -> Send Anonymous	Number: 0, 1	Send Anonymous,0 – no,1 – yes	P1721/182 1	×	×	\checkmark
Account (5)-> Advanced -> Anonymous Call Rejection	Number: 0, 1	Anonymous Call Rejection.0 - no, 1 - yes	P20446	×	×	\checkmark
Account (5)-> Advanced -> Check SIP User ID	Number: 0, 1,2	Check SIP User ID.0 – Don't Check, 1 – Always Check, 2 - Automatic	P1767	×	×	\checkmark
Account (5)-> Advanced -> Auto Answer	Number: 0, 1	Auto Answer.0 - no, 1 - yes	P1725	×	×	\checkmark
Account (5)-> Advanced -> Allow Auto Answer By Call-Info	Number: 0, 1	Allow Auto Answer By Call-Info.0 - no, 1 - yes	P1738	×	×	\checkmark
Account (5)-> Advanced -> Turn off Speaker on remote disconnect	Number: 0, 1	Turn off Speaker on remote disconnect.0 - no, 1 - yes	P1739	×	×	\checkmark
Account (5)-> Advanced ->Session Expiration	Number	Session Expiration (default is 180 seconds)	P1734	×	×	\checkmark
Account (5)-> Advanced -> Min-SE	Number	Min-Session-Expiration (default and minimum is 90 seconds)	P1727	×	×	\checkmark



Account (5)->	Number	Caller Request Timer	P1728	×	×	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
		No, 1 - Yes				
Account (5)->	Number:	Callee Request Timer	P1729	×	×	
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
		No, 1 - Yes				
Account (5)->	Number:	Force Timer (use timer even	P1730	×	×	\checkmark
Advanced -> Force	0, 1	when remote party does not				
Timer		support) 0 - No, 1 - Yes				
Account (5)->	Number:	UAC Specify Refresher. 1 -	P1732	×	×	\checkmark
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)				
Account (5)->	Number:	UAS Specify Refresher. 1 -	P1733	×	×	
Advanced -> UAS	1, 2	UAC, 2 - UAS (When UAC				
Specify Refresher		did not)				
Account (5)->	Number:	Force INVITE (Always	P1731	×	×	\checkmark
Advanced -> Force	0, 1	refresh with INVITE instead				
INVITE		of UPDATE) 0 - No, 1 - Yes				
Account (5)->	Number	Minimum Hook Flash	P20448	×	×	\checkmark
Advanced -> Hook		Timing				
Flash Timing->						
Minimum						
Account (5)->	Number	Maximum Hook Flash	P20450	×	×	\checkmark
Advanced -> Hook		Timing				
Flash Timing->						
Maximum						
Account (5)->	Number	100 - Standard, 104 - World	P20452	×	×	\checkmark
Advanced -> Special	100, 104,	Call, 106 - NETHID				
Feature	106					
Account (5)->	Number:	Share Line. 0 - Disable, 1 -	P20454	×	×	\checkmark
Advanced -> Share	0-2	Broadsoft, 2 - BLA				
Line						
Account (5)->	Number:	SCA Barge-In. 0 - Disable, 1	P20980	×	×	
Advanced -> SCA	0-1	– Enable.				
Barge-In		Enables or disables the				
		BroadSoft SCA Barge-In				
		feature				
Account (5)->	Number:	Conference Type. 0 - Local,	P20472	×	×	\checkmark
Advanced ->	0-1	1 – Enable.				
Conference Type						
Account (5)->	string	Conference URI	P20470	×	×	
Advanced ->						
Conference URI						

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Account (5)-> Advanced -> SIP Server Type	Number: 0, 1	SIP Server Type. 0 - Default, 1 - BroadSoft	P20456	×	×	V
Account (5)-> Advanced -> 100 reliable retransmissions	Number: 0, 1	100 reliable retransmissions. 0 - Disable, 1 - Enable	P20458	×	×	\checkmark
Account (5)->Advanced -> Early-Session	Number: 0, 1	Early-Session. 0 - Disable, 1 - Enable	P20460	×	×	\checkmark
Account (5)-> Advanced -> Refuse-Return-Code	Number: 0-2	Refuse-Return-Code. 0 -BUSY-486, 1 - NOT-FOUND-404, 2 - REFUSE-603	P20462	×	×	\checkmark
Account (5)-> Advanced ->Direct Call Pickup Code	string	Direct Call Pickup Codexxxxxx	P20464	×	×	\checkmark
Account (5)-> Advanced ->Group Call Pickup Code	string	Group Call Pickup Codexxxxxx	P20466	×	×	\checkmark
Account (5)-> Advanced -> Feature Key Sync	Number: 0, 1	Feature Key Sync. 0 - Disable, 1 – Enable. It defines whether to enable Broad soft, DND&FWD synchronization or not.0 stands for Disabled, 1 stands for Enabled.	P20468	×	×	\checkmark
Account (5)-> Advanced -> SIP Send Mac	Number: 0, 1	SIP Send Mac.0 - Disable,1 – Enable. If you enable this option. When the phone sends INVITE message which carry MAC head. And MAC address of the phone is in the MAC head.	P20474	×	×	V
Account (5)-> Advanced ->Caller Display Source	Number: 0, 1,2,3,4	Caller Display Source.0 – From Only, 1 – PAI-FROM, 2 – PAI-RPID-FROM, 3 – RPID-PAI-FROM,4 – RPID-FROM	P20161	×	×	V
Account (6)->basic->Account Active	Number: 0, 1	Account Active (In Use). 0 - No, 1 - Yes	P20361	×	×	\checkmark
Account (6)->basic->Primary	Primary SIP	It configures the primary SIP server when the	P20363	×	×	\checkmark



	•		•			
SIP Sserver	Server(eg:	network is locallan 、				
	sip.mycom	romotostup or SPC				
	or IP	Temolesium of SDC.				
	address)					
Account	String	Failover SIP Server	P20365	×	×	
(6)->basic->Failover	5	(Optional, used when				
SIP Server		primary server no response)				
Account	String	Second Failover	P20367	×	×	
(6)->basic->Second		SipServer(Optional, used				
Failover SIP Server		when Failover SIP Server				
		no response)				
Account	Number:	Prefer Primary SIP Server	P20369	×	×	\checkmark
(6)->basic->Prefer	0, 1	(In Use). 0 - No, 1 - Yes				
Primary SIP Sserver						1
Account	string	Outbound	P20371	×	×	\checkmark
(6)->basic->Outboun		Proxy(proxy.myprovider.co				
d Proxy	00	m, or IP address, if any)	D 00070			1
Account	Sting	Backup Outbound Proxy	P20373	×	×	γ
(b)->Dasic->Backup		(This is Usually Set as IP				
	Numbor:		D20275	~	~	2
(6)->basic->SIP		0 - 0DF, 1 - 10F, 2 - 1L3	F20375	~	*	v
Transport	0-2					
Account	Number:	0 - No. 1 - STUN 2 - No.	P20377	×	x	
(6)->basic->NAT	0-2	but send keep alive				
Traversal						
Account	string	Label	P20379	×	×	
(6)->basic->Label						
Account	string	Displayname.line.1	P1804	×	×	\checkmark
(6)->basic->SIP User						
ID						
Account	String	Authenticate ID	P1805	×	×	\checkmark
(6)->basic->Authentic						
ate ID						1
Account (6)->basic->	String	Authenticate Password	P1806	×	×	N
Authenticate						
Account (6) shadia s	String	Namo	D1907		~	2
Name	Sung			×		v
Account	Number:	DNS Mode (0 - A Record 1	P20381	×	×	
(6)->basic->DNS	0-2	- SRV. 2 - NAPTR/SR\/)	. 20001			
Mode						
Account	Number:0,	User ID Is Phone Number.0	P20383	×	×	\checkmark
(6)->basic->User ID	1	- No, 1 – Yes. If you enable				



Is Phone Number		this option. The SIP				
		message send by IP phone				
		will contain "user = phone".				
Account	Number:0,	SIP Registration. 0 - No, 1 -	P20385	×	×	\checkmark
(6)->basic->SIP	1	Yes				
Registration						
Account (6)->basic->	Number:0,	Unregister On Reboot.0 -	P20387	×	×	\checkmark
Unregister On	1	No, 1 - Yes				
Reboot						
Account (6)->basic->	number	Register Expiration (in	P20389	×	×	\checkmark
Register Expiration		minutes. default 1 hour,				
0		max 45 days)				
Account	Number:0.	Outgoing Call Without	P 1213	×	×	
(6)->basic->Out	1	Registration.0 - No. 1 - Yes				
Outgoing Call						
Without Registration						
Account (6)->basic->	number	Local SIP Port (default	P1813	×	×	
Local SIP Port	hamber	5060)			^	•
Account (6)->basic->	Number:0	Lise Random Port 0 - No. 1	P20301	~	~	N
Liso Pandom Port			1 20001			, v
	numbor	Voice Mail LearlD/LearlD	D1926			2
Voice Mail LearlD	number	for voice mail evetor	F 1020	×	×	v
	Numberio	Dert Q No. 1 Yee				al
Account (6)->basic->	Number:0,	RPOILU - NO, I - YES	P141	×	×	N
RPOIL	l Nuurah a mQ		DIAOF			
Account (6)->Dasic->	Number:0,	RFC 2543 Hold.0 - No, 1 -	P1105	×	×	N
RFC 2543 Hold	1		Daaaaa		_	1
Account	Number:	Preferred Vocoder In listed	P20393	×	×	N
(6)->Codec->	0, 2, 3, 4,	order. choice 1.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P20395	×	×	\checkmark
(6)->Codec->	0, 2, 3, 4,	order. choice 2.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B,20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P20397	×	×	\checkmark
(6)->Codec->	0, 2, 3, 4,	order. choice 3.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU, 2 - G.726-32, 3 -				
listed order	20	GSM_FR,4 - G.723.1, 8 -				
		PCMA, 9 - G.722, 18 -				
		G.729A/B.20 - iLBC.				
Account	Number:	Preferred Vocoder In listed	P20399	×	×	\checkmark
				1	1	1 1

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(6)->Codec->	0, 2, 3, 4,	order, choice 4.				
Preferred Vocoder In	8, 9, 18,	0 - PCMU 2 - G 726-32 3 -				
listed order	20	GSM_FR_4 - G_723_1_8 -				
	20	PCMA 9 - G 722 18 -				
		G 729A/B 20 - il BC				
Account	Number:	Preferred Vocoder In listed	P20401	×	×	
(6)->Codec->	0 2 3 4	order choice 5	1 20101		^	
Preferred Vocoder In	8 9 18	0 - PCMU 2 - G 726-32 3 -				
listed order	20	GSM FR 4 - G 723 1 8 -				
	20	PCMA 9 - G 722 18 -				
		$G_{729A/B} = 0.7222, 10$				
Account	Number:	Breferred Vocoder In listed	P20/03	~	~	1
$(6) \rightarrow Codec \rightarrow$		arder choice 6	1 20403	^	^	v
Proferred Vecoder In	0, 2, 3, 4,	0 = PCMU = 2 = C = 726 - 32 = 3 = 100000000000000000000000000000000				
listed order	0, 9, 10,	GSM EP 4 G 722 1 8				
	20	$O_{0} = O_{0} = O_{0$				
		C_{720A}/P_{20} il P_{C}				
Account	Number	G.729A/B,20 - ILBC.	D20400			
		1 - 10, 2 - 20, 3 - 30, 4 - 40, 5 - 50, 6 - 60	P20409	×	×	v
	1,2,3,4,5,0	40, 5 – 50, 8 - 80				
Primes(ms)	Number		D00444			
	Number:0,	G723 Raie (0 - 6.3kbps	P20411	×	×	N
(b)->Codec-> G723	1	encoding rate, 1 - 5.3kbps				
Rate		encoding rate)	D 00440			1
Account	Number:0,	ILBC mode.0 - 20ms	P20413	×	×	N
(6)->Codec-> ILBC	1	mode,1 - 30ms mode				
mode			D 0044 T			1
Account	Number:9	ILBC Payload Type (from 96	P20415	×	×	N
(6)->Codec-> iLBC	6 to 127	to 127, default is 97)				
Payload Type						
Account	Number :	DTMF Payload Type .	P20417	×	×	N
(6)->Advanced->						
DTMF Payload Type	96-127	default is 97	_			
Account (6)->	Number:0,	0 – RFC2833, 1 – IN Audio,	P20171	×	×	\checkmark
Advanced -> DTMF	1,2	2 – SIP INFO				
Туре						
Account (6)->	Number:0,	Send Flash Event.0 - no, 1 -	P20425	×	×	\checkmark
Advanced -> Send	1	yes				
Flash Event						
Account (6)->	Number:0,	Enable Call Features.0 - no,	P20427	×	×	\checkmark
Advanced -> Enable	1	1 - yes				
Call Features						
Account (6)->	string		P20429	×	×	\checkmark
Advanced -> Proxy						
Require						
Account (6)->	String	Used in SIP/SDP message	P20431	×	×	\checkmark



Advanced ->Use NAT IP		if specified				
Account (6)->	Number:0,	ZRTP Encryption.0 - no, 1 -	P20651	×	×	\checkmark
Encryption	1	yes				
Account (6)->	Number	SRTP Mode 0 = Disabled, 1	P20433	×	×	
Advanced -> SRTP	0-2	= Enabled but not forced, 2				
Mode		= Enabled and forced	_			
Account (6)->	Number:0,	VAD Enable.0 - no, 1 – yes.	P20435	×	×	\checkmark
Advanced -> VAD	1	If you enable this option.				
		nhones find that you are not				
		speaking, it will send CNG				
		packet but not voice packet.				
Account (6)->	Number:0,	Symmetric RTP.0 - no, 1 -	P20437	×	×	\checkmark
Advanced ->	1	yes				
Symmetric RTP						
Account (6)->	Number:0,	Jitter Buffer Type.0 - fixed, 1	P20439	×	×	
Advanced -> Jitter	1	- adaptive				
Buffer Type			500444			1
Account (6)->	Number	Jitter Buffer Length.0 - low,	P20441	×	×	N
Ruffor Longth	0-2	i - medium, z - nign				
Account (6)->	Number	Account Ring Tone (0 -	P1723	×	×	
Advanced -> Account	0,1,2,3,4,5	default, 1 - Ring1.bin, 2 -	1 11 20	~	Â	•
Ring Tone	,6,7,8	Ring2.bin, 3 - Ring3.bin, 4 -				
		Ring4.bin, 5 - Ring5.bin, 6 -				
		Ring6.bin, 7 - Ring7.bin, 8 -				
		Ring8.bin)				
Account (6)->	Number10	Ring Timeout (10-300	P20443	×	×	\checkmark
Advanced -> Ring	- 300	seconds, default is 60				
	Numbor:	Seconds)	D20445	~	~	2
Advanced -> Use #			FZ0445	*	~	N
As Dial Key	0, 1	y00				
Account (6)->	string	Dial plan (dial plan prefix	P4205	×	×	
Advanced -> Dial		string)				
Plan						
Account (6)->	Number:	Subscribe for MWI.0 - no,	P1815	×	×	\checkmark
Advanced ->	0, 1	do not send SUBSCRIBE				
Subscribe for MWI		for Message Waiting				
		Indication, 1 - yes, send				
		periodical SUBBSCRIBE				
		indication				
1	1		1	1	1	I

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Account (6)->	Number:	Send Anonymous,0 – no,1	P1821	×	×	\checkmark
Advanced -> Send	0, 1	– yes				
Anonymous						
Account (6)->	Number:	Anonymous Call	P20447	×	×	
Advanced ->	0, 1	Rejection.0 - no, 1 - yes				
Anonymous Call						
Rejection						
Account (6)->	Number:	Check SIP User ID.0 –	P1867	×	×	\checkmark
Advanced -> Check	0, 1,2	Don't Check, 1 – Always				
SIP User ID		Check, 2 - Automatic				
Account (6)->	Number:	Auto Answer.0 - no, 1 - yes	P1825	×	×	\checkmark
Advanced -> Auto	0, 1					
Answer						
Account (6)->	Number:	Allow Auto Answer By	P1838	×	×	\checkmark
Advanced -> Allow	0, 1	Call-Info.0 - no, 1 - yes				
Auto Answer By						
Call-Info						
Account (6)->	Number:	Turn off Speaker on remote	P1839	×	×	\checkmark
Advanced -> Turn off	0, 1	disconnect.0 - no, 1 - yes				
Speaker on remote						
disconnect						
Account (6)->	Number	Session Expiration (default	P1834	×	×	\checkmark
Advanced ->Session		is 180 seconds)				
Expiration						
Account (6)->	Number	Min-Session-Expiration	P1827	×	×	\checkmark
Advanced -> Min-SE		(default and minimum is 90				
		seconds)				
Account (6)->	Number	Caller Request Timer	P1828	×	×	\checkmark
Advanced -> Caller		(Request for timer when				
Request Timer		making outbound calls) 0 -				
		No, 1 - Yes				
Account (6)->	Number:	Callee Request Timer	P1829	×	×	
Advanced ->Callee	0, 1	(when caller supports timer				
Request Timer		but did not request one) 0 -				
		No, 1 - Yes				
Account (6)->	Number:	Force Timer (use timer even	P1830	×	×	
Advanced -> Force	0, 1	when remote party does not				
Timer		support) 0 - No, 1 - Yes				
Account (6)->	Number:	UAC Specify Refresher. 1 -	P1832	×	×	\checkmark
Advanced ->UAC	0-2	UAC, 2 - UAS, 0 -				
Specify Refresher		omit(Recommended)				ļ ,
Account (6)->	Number:	UAS Specify Refresher. 1 -	P1833	×	×	\checkmark
Advanced -> UAS	1, 2	UAC, 2 - UAS (When UAC				
Specify Refresher		did not)				
Account (6)->	Number:	Force INVITE (Always	P1831	×	×	\checkmark

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Advanced -> Force	0, 1	refresh with INVITE instead				
INVITE		of UPDATE) 0 - No, 1 - Yes				1
Account (6)->	Number	Minimum Hook Flash	P20449	×	×	N
Advanced -> Hook		Timing				
Flash Timing->						
Minimum			_			
Account (6)->	Number	Maximum Hook Flash	P20451	×	×	
Advanced -> Hook		Timing				
Flash Timing->						
Maximum						
Account (6)->	Number	100 - Standard, 104 - World	P20453	×	×	
Advanced -> Special	100, 104,	Call, 106 - NETHID				
Feature	106					
Account (6)->	Number:	Share Line. 0 - Disable, 1 -	P20455	×	×	\checkmark
Advanced -> Share	0-2	Broadsoft, 2 - BLA				
Line						
Account (6)->	Number:	SCA Barge-In. 0 - Disable, 1	P20981	×	×	\checkmark
Advanced -> SCA	0-1	– Enable.				
Barge-In		Enables or disables the				
		BroadSoft SCA Barge-In				
		feature				
Account (6)->	Number:	Conference Type. 0 - Local,	P20473	×	×	
Advanced ->	0-1	1 – Enable.				
Conference Type						
Account (6)->	string	Conference URI	P20471	×	×	\checkmark
Advanced ->	_					
Conference URI						
Account (6)->	Number:	SIP Server Type. 0 -	P20457	×	×	
Advanced -> SIP	0, 1	Default, 1 - BroadSoft				
Server Type						
Account (6)->	Number:	100 reliable	P20459	×	×	
Advanced -> 100	0, 1	retransmissions. 0 -				
reliable	-, -	Disable, 1 - Enable				
retransmissions						
Account	Number:	Early-Session, 0 - Disable	P20461	×	×	
(6)->Advanced ->	0 1	1 - Fnable		~		
Farly-Session						
Account (6)->	Number	Refuse-Return-Code 0	P20463	×	v	
Advanced ->	0-2	-RUSY-486 1 -	1 20400			, v
Rafusa-Patura Cada	0-2					
	otrinc		D20405		 	
Account (b)->	string		P20465	×	×	N
		Lodexxxxx				
Call Pickup Code						1
Account (6)->	string	Group Call Pickup	P20467	×	×	\checkmark



Advanced ->Group		Codexxxxxx				
Call Pickup Code						
Account (6)->	Number:	Feature Key Sync. 0 -	P20469	×	×	
Advanced -> Feature	0, 1	Disable, 1 – Enable. It				
Key Sync		defines whether to enable				
		Broad soft, DND&FWD				
		synchronization or not.0				
		stands for Disabled, 1				
		stands for Enabled.				
$\Lambda_{\rm ccoupt}(6)$	Numbor:	SIR Sond Mac 0 Disable 1	P20475	~	~	2
Account (0)->		- Enable If you enable this	F20475	~	^	N
Send Mac	0, 1	ontion When the phone				
		sends INVITE message				
		which carry MAC head. And				
		MAC address of the phone				
		is in the MAC head.				
Account (6)->	Number:	Caller Display Source.0 –	P20162	×	×	\checkmark
Advanced ->Caller	0, 1,2,3,4	From Only, 1 – PAI-FROM,				
Display Source		2 – PAI-RPID-FROM, 3 –				
		RPID-PAI-FROM,4 –				
		RPID-FROM		1	1	
Network->Basic->	Number:	WAN. 0 - DHCP, 1 - Static	P8	N	N	N
WAN->DHCP/Static	0-2	IP Address, 2 - PPPoE				
IP Address/PPPOE	Chrine		D140			
	String	DHCP HOSINAILIE, DHCP	P140	N	N	N
P HostNamo		allowed is 64 characters				
		Default value is 0				
Network->Basic->WA	Strina	DHCP Domin				
N->DHCP ->DHCP	- 5		P147			
Domin						
Network->Basic->WA	String	DHCP Vendor Class ID,	P148	\checkmark	\checkmark	\checkmark
N->DHCP -> DHCP		DHCP option 60. Max				
Vendor Class ID		length allowed is 64				
		characters.				
Network->Basic->WA	String	DHCP 43 vendor specific	P149	\checkmark	\checkmark	\checkmark
N->DHCP -> DHCP		information				
User Class				1		1
Network->Basic->WA	Number	IP address	P9/P10/P1	N	N	N
N->Static IP			1/P12			
Address->IP Address	Number	Subpot Mook			2	2
N-Statio ID	NUMBER		15/D16	N	N	N
Address-> Subpet			13/1-10			
			1		1	



Mask						
Network->Basic->WA	Number	Default Gateway	P17/P18/P	\checkmark	\checkmark	\checkmark
N->Static IP			19/P20			
Address-> Default						
Gateway						
Network->Basic->WA	Number:0,	Static DNS.0 – No, 1 - Yes	P20163	\checkmark	\checkmark	\checkmark
N->Static IP	1					
Address->Static DNS						
Network->Basic->WA	Number	Primary DNS	P21/P22/P	\checkmark	\checkmark	\checkmark
N->Static IP			23/P24			
Address-> Primary						
DNS						
Network->Basic->WA	Number	Secondary DNS	P25/P26/P	\checkmark	\checkmark	\checkmark
N->Static IP			27/P28			
Address-> Secondary						
DNS						
Network->Basic->WA	String	PPPoE account ID	P82	\checkmark	\checkmark	\checkmark
N->PPPoE-> PPPoE						
account ID						
Network->Basic->WA	String	PPPoE password	P83	\checkmark	\checkmark	\checkmark
N->PPPoE-> PPPoE						
password						
Network->Basic->WA	String	PPPoE Service Name	P269	\checkmark	\checkmark	\checkmark
N->PPPoE-> PPPoE						
Service Name						
Network->Basic->WA	Number	Preferred DNS Server	P92/P93/P	\checkmark	\checkmark	\checkmark
N->PPPoE->			94/P95			
Preferred DNS						
Server						
Network->Basic->WA	Number:0	Reply to ICMP (0 - no, 1 –	P189	\checkmark	\checkmark	\checkmark
N->PPPoE-> Reply	,1	yes)				
to ICMP						
Network->Basic->WA	Number:0	WAN Http Access (0 - no, 1	P190	\checkmark	\checkmark	\checkmark
N->PPPoE-> WAN	,1	– yes)				
Http Access						
Network->Basic->PC	Number:0-	PC Port (1 - As Bridge, 0 -	P231	\checkmark	\checkmark	\checkmark
Port-> As Bridge/ as	2	as Router, 2 - Connect to				
Router/ Connect to		Expansion Module)				
Expansion Module						
Network->Basic->PC	String	IP Address of PC Port	P111	\checkmark	\checkmark	\checkmark
Port-> IP Address						
Network->Basic->PC	String	Subnet Mask of PC Port	P110	\checkmark	\checkmark	\checkmark
Port-> Subnet Mask	-					
Network->Basic->PC	Number	IP Lease Time	P112	\checkmark	\checkmark	\checkmark
Port-> IP Lease Time						



Network->Basic->PC	Number:0	DHCP Server (0 - Disable, 1	P8639	\checkmark	\checkmark	\checkmark
Port-> DHCP Server	,1	- Enable)				
Network->Basic->PC	string	DMZ IP	P113	\checkmark	\checkmark	\checkmark
Port-> DMZ IP						
work->Basic->PC	Number	WAN Port	P150-P157	\checkmark	\checkmark	\checkmark
Port->Port						
Map->WAN Port						
Network->Basic->PC	string	LAN IP	P158-P165	\checkmark	\checkmark	\checkmark
Port->Port Map->						
LAN IP						
Network->Basic->PC	Numbrt	LAN Port	P166-P173	\checkmark	\checkmark	\checkmark
Port->Port Map->						
LAN Port						
Network->Basic->PC	Number:0-	Protocol (0 - UDP, 1 -	P174-P181		\checkmark	\checkmark
Port->Port Map->	2	TCP ,2 - TCP/UDP)				
Protocol						
Network->Advanced-	Number:0	Active (0 - Disable, 1 -	P5438		\checkmark	\checkmark
>LLDP->active	,1	Enable)				
Network->Advanced-	number	Packed Interval	P5439		\checkmark	
>LLDP-> Packed						
Interval						
Network->Advanced-	Number:	Layer 3 QoS (Diff-Serv or	P38		\checkmark	
>Qos Set-> Layer 3	0-63	Precedence value)				
QoS						
Network->Advanced-	Number:0-	Layer 2 QoS. 802.1Q/VLAN	P51		\checkmark	
>Qos Set-> Layer 2	4094	Tag (VLAN classification for				
QoS. 802.1Q/VLAN		RTP)				
Тад						
Network->Advanced-	Number:	Layer 2 QoS. 802.1p priority	P87		\checkmark	
>Qos Set-> Layer 2	0-7	value (0 - 7).				
QoS. 802.1p priority						
value						
Network->Advanced-	Number	Data VLAN Tag (vaild only	P229		\checkmark	
>Qos Set-> Data		when Bridge mode)				
VLAN Tag						
Network->Advanced-	String	URL or IP address of NTP	P30		\checkmark	
> NTP Server-> URL	_	Server				
or IP address						
Network->Advanced-	Number	VPN Active (0 - no, 1 - yes)	P9269		\checkmark	
>VPN Active						
Network->Advanced-	Number:0,	Active (0 - no, 1 - yes)	P8684		\checkmark	\checkmark
> DHCP VLAN Active	1					
Network->Advanced-	Number	HTTP Port	P901		\checkmark	\checkmark
>Web Server-> FTTP						
Port						

Network->Advanced- > Web Server->	Number	HTTPS Port	P8724	\checkmark	\checkmark	\checkmark
FTTPS Port						
Network->Advanced-	Number:0-	Type (0 - Disable, 1 -	P8725	\checkmark	\checkmark	\checkmark
> Web Server->Type	3	HTTP&HTTPS, 2 - HTTP				
		Only, 3 - HTTPS Only)				
Network->Advanced-	Number:0.	802.1X Mode (# 0 - Disable.	P9266		\checkmark	
> 802 1X-> 802 1X	123456	1 - FAP-MD5 2 – FAP-TLS				
Mode	7	3 -				
Mode	,,,	$\mathbf{F}_{\mathbf{A}}$				
		-				
		2				
		, 3 - EAF-PEAF/GIC, 0 -				
		EAP-TILS/EAP-GIC, 7 -				
		EAP-FAST)	D 0007	1	1	1
Network->Advanced-	Number	Identity	P9267	N	N	N
> 802.1X-> Identity				1	1	1
Network->Advanced-	string	MD5 Password	P9268	N	\checkmark	\checkmark
> 802.1X-> MD5						
Password						
Network->Advanced-	Number	Max Rtp Port (default is	P739	\checkmark	\checkmark	\checkmark
> Local RTP Port->		5104)				
Max Rtp Port						
Network->Advanced-	Number	Min Rtp Port (default is	P39	\checkmark	\checkmark	\checkmark
> Local RTP Port->		5004)				
Min Rtp Port						
Network->Advanced-	Number:0,	RTCP Support (0 – Disable,	P20119	\checkmark	\checkmark	\checkmark
> VQ RTCP Report->	1	1 - Enable)				
RTCP Support		If Enabled, the phone will				
		analyze RTP Info statistics,				
		then report to Collector if				
		needed				
Network->Advanced-	string	Voice Quality Report	P20120	\checkmark		
> VQ RTCP Report->		Collector:				
Voice Quality Report		The SIP address of the				
Collector		RTCP Collector, e.g.				
		sip:account@sample.com:8				
		765				
Network->Advanced-	string	RTCP-XR Report Format	P20121			
	Sung	The Format of Reported		Y		
Poport Format						
	Ctrin a		DZC			
Network->Advanced-	String	SIUN Server (uri or ip:port)	F10	N	N	N
>Uthers-> SIUN						



Server						
Network->Advanced-	Number	Keep-ative Interval	P84	\checkmark	\checkmark	\checkmark
>Others-> Keep-ative		(seconds default:20)				
Interval						
Network->Advanced-	Number:0,	Port link speed. 0 - auto	P20993	\checkmark	\checkmark	\checkmark
> Port Link -> WAN	1,2,3,4,5	negotiate				
Port link speed		, 1 - 10M half-duplex				
		, 2 - 10M full duplex				
		, 3 - 100M half-duplex				
		, 4 - 100M full duplex				
		, 5 - 1000M full duplex		,		
Network->Advanced-	Number:0,	PC Port Active.0 - auto	P20991	\checkmark	\checkmark	\checkmark
> Port Link -> PC Port	1	negotiate, 1 - Disable				
Active						
Function Keys-> Line	Number:0,	Line Label Length.0 –	P20479	×	\checkmark	\checkmark
Key-> Line Label	1	Default, 1 – Long Label				
Length						
Function Keys-> Line	Number:0,	Line Page Indicator.0 –	P20478	×		\checkmark
Key-> Line Page	1	Disable, 1 - Enable				
Indicator				1	1	
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P41200	N		N
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
1->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DIMF, 11 -				
		Frenz, 12 - Local Group, 13				
		Proweer 15 LDAD 16				
		BroadSoft Group 17				
		Conference 18 - Forward				
		10 - Transfor 20 Hold 21				
		- DND 22 - Redial 23 -				
		Call Return $24 - SMS 25$				
		Record 26 - URI Record				
		27 - Paging 28 - Group				
		Listening 29 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD $34 - 7$ ero Touch $35 -$				
		URL, 47 - MultiCast Paging)				
Function Kevs-> Line	Number:	Mode.0 – Default. 1 – Lock	P20600			
Kev-> Line kev	0-3	2 - Float		,		
1->Mode						
Function Keys-> Line	string	Value	P41300	\checkmark	\checkmark	\checkmark



Key-> Line key 1-> Value						
Function Keys-> Line Key-> Line key 1->Label	String	Label	P41400	√	\checkmark	
Function Keys-> Line Key-> Line key 1-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P41500	~	V	\checkmark
Function Keys-> Line Key-> Line key 1-> Pickup Code	Sting	Pickup Code	P41600	\checkmark	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 2->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P41201		V	\checkmark
Function Keys-> Line Key-> Line key 2->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20601	×	V	\checkmark
Function Keys-> Line Key-> Line key 2-> Value	string	Value	P41301	V	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 2-> Label	String	Label	P41401	\checkmark	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 2-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5,	P41501	V	V	\checkmark



		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P41601	\checkmark	\checkmark	\checkmark
Key-> Line key 2->						
Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P41202	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
3->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XIVE Group, 14 - XIVE				
		BroadSoft Group 17				
		Conference 18 - Forward				
		19 - Transfer 20 - Hold 21				
		- DND. 22 - Redial. 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20602	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
3->Mode					1	1
Function Keys-> Line	string	Value	P41302	×	N	N
Key-> Line Key 3->						
Value	String		D41402			
Function Reys-> Line	Sung	Laber	P4140Z	×	N	N
Label						
Eunction Keys-> Line	Number:0	255 - Auto 0 - Account 1 1	P41502	×		
Kev-> I ine kev 3->	123452	- Account 2, 2 - Account 3, 3	1 11002		,	`
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P41602	×	\checkmark	
Key-> Line key 3->	-					
Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P41203	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
4->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				

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		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Function Kovo Line	Number	URL, 47 - MultiCast Paging)	D00000			
Function Reys-> Line		Mode.0 – Default, 1 – Lock,	P20003	×	N	N
A > Modo	0-3	2 - Float				
Function Kovers Line	string		P/1303	~	2	2
Kova Ling kov 4->	String	value	F41303	^	Ň	v
Function Keys-> Line	String	l abel	P41403	×		
Kev-> Line key 4->	Cung					
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P41503	×	\checkmark	\checkmark
Key-> Line key 4->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P41603	×	\checkmark	\checkmark
Key-> Line key 4->						
Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20200	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
5->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conterence, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				

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lek		Parameter List				
		- DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 5->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20604	×	N	N
Function Keys-> Line Key-> Line key 5-> Value	string	Value	P20201	×	V	\checkmark
Function Keys-> Line Key-> Line key 5-> Label	String	Label	P20202	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 5-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20203	×	V	\checkmark
Function Keys-> Line Key-> Line key 5->Pickup Code	Sting	Pickup Code	P20204	×	V	\checkmark
Function Keys-> Line Key-> Line key 6->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 –	P20205	×	~	~



		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20605	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
6->Mode						
Function Keys-> Line	string	Value	P20206	×	\checkmark	\checkmark
Key-> Line key 6->	_					
Value						
Function Kevs-> Line	String	Label	P20207	×		
Kev-> Line key 6->	g					
Eurotion Keys-> Line	Number:0	255 - Auto 0 - Account 1 1	P20208	~		
Kovs Ling kov 6 s	122452	200 - Auto, 0 - Account 3, 1	1 20200	^	v	v
Account	1,2,3,4,3,2	Account 2, 2 - Account 5, 5				
Account	55	- Account 4, $4 -$ Account 5,				
		5 – Account 6			1	1
Function Keys->Line	Sting	Pickup Code	P20209	×	N	N
Key-> Line key						
6->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20210	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
7->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - I DAP, 16 -				
		BroadSoft Group 17 -				
		Conference 18 - Forward				
		19 - Transfor 20 Hold 21				
		DND 22 Redial 22				
		- DND, 22 - Reulai, 23 -				
		Call Return, 24 – SNIS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20606	×	\checkmark	
Key-> Line kev	0-3	2 - Float				
7->Mode						
Function Kevs-> Line	string	Value	P20211	×		
Kev-> Line key 7->	g					
Function Kove > Line	String		D20212	~	1	2
i uncuon reys-> Line	Jung			× 1	N N	V



Key-> Line key 7->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P202013	×	\checkmark	\checkmark
Key-> Line key 7->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20214	×	\checkmark	\checkmark
Key-> Line key						
7->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20215	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
8->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20607	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
8->Mode						
Function Keys-> Line	string	Value	P20216	×		\checkmark
Key-> Line key 8->						
Value						
Function Keys-> Line	String	Label	P20217	×	\checkmark	\checkmark
Key-> Line key 8->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20218	×	\checkmark	\checkmark
Key-> Line key 8->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5, 5				
		– Account 6				
Function Keys-> Line	Sting	Pickup Code	P20219	×		
Key-> Line key						



8->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20220	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
9->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20608	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
9->Mode					1	
Function Keys-> Line	string	Value	P20221	×	\checkmark	\checkmark
Key-> Line key 9->						
Value			_		1	1
Function Keys-> Line	String	Label	P20222	×	\checkmark	\checkmark
Key-> Line key 9->						
			50000		1	1
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20223	×	N	N
Key-> Line key 9->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
	0.1	5 – Account 6	500004		1	1
Function Keys-> Line	Sting	Pickup Code	P20224	×	N	N
Key-> Line key						
9->Pickup Code	Nie ze l		Doocor		.1	
Function Keys-> Line	Number:	Key Type(U -N/A, 1 - Line, 2	P20225	×	N	N
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
10->Type		BLF LIST, 5 - VOICEMAII, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DIMF, 11 -				
		Frefix, 12 - Local Group, 13				
l -ltek		Parameter List				
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		- XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 10->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20609	×	V	\checkmark
Function Keys-> Line Key-> Line key 10-> Value	string	Value	P20226	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 10-> Label	String	Label	P20227	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 10-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20228	×	V	V
Function Keys-> Line Key-> Line key 10->Pickup Code	Sting	Pickup Code	P20229	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 11->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record,	P20230	×	~	1

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lek		Parameter List				
		27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 –				
Function Keys-> Line Key-> Line key 11->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20610	×	√	V
Function Keys-> Line Key-> Line key 11-> Value	string	Value	P20231	×	V	V
Function Keys-> Line Key-> Line key 11-> Label	String	Label	P20232	×	V	V
Function Keys-> Line Key-> Line key 11-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20233	×	V	V
Function Keys-> Line Key-> Line key 11->Pickup Code	Sting	Pickup Code	P20234	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 12->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20235	×		
Function Keys-> Line Key-> Line key	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20611	×	\checkmark	\checkmark



12->Mode						
Function Keys-> Line	string	Value	P20236	×		\checkmark
Key-> Line key 12->						
Value						
Function Keys->Line	String	Label	P20237	×		\checkmark
Key-> Line key 12->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20238	×		\checkmark
Key-> Line key 12->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20239	×		\checkmark
Key-> Line key						
12->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20240	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
13->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20612	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
13->Mode						
Function Keys-> Line	string	Value	P20241	×	\checkmark	\checkmark
Key-> Line key 13->	-					
Value						
Function Keys-> Line	String	Label	P20242	×		\checkmark
Key-> Line key 13->	Ŭ					
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20243	×		\checkmark

E -Hek		Devementer List				
	400450	Parameter List				
Key-> Line key 13->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20244	×	\checkmark	\checkmark
Key-> Line key						
13->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20245	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
14->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser. 15 - LDAP. 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward				
		19 - Transfer, 20 – Hold, 21				
		- DND 22 - Redial 23 -				
		Call Return $24 - SMS 25 -$				
		Becord 26 - LIBI Becord				
		27 - Paging 28 - Group				
		Listening 29 - Public Hold				
		20 Drivete Held 21 Shine				
		Jine 22 Het Decking 22				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)	B 00040		1	1
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20613	×	γ	N
Key-> Line key	0-3	2 - Float				
14->Mode			_			
Function Keys-> Line	string	Value	P20246	×	\checkmark	\checkmark
Key-> Line key 14->						
Value						
Function Keys-> Line	String	Label	P20247	×		\checkmark
Key-> Line key 14->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20248	×	\checkmark	\checkmark
Key-> Line key 14->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20249	×	\checkmark	\checkmark
Key-> Line key						
14->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line. 2	P20250	×		
Key-> Line kev	0-47	- Speeddial, 3 - BLF. 4 -	-			
		I	1		1	

lek		Parameter List				
15->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Recold, 20 - URL Recold,				
		Listening 29 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL. 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20614	×		\checkmark
Key-> Line key	0-3	2 - Float				
15->Mode						
Function Keys-> Line	string	Value	P20251	×	\checkmark	\checkmark
Key-> Line key 15->						
Value						,
Function Keys-> Line	String	Label	P20252	×	\checkmark	\checkmark
Key-> Line key 15->						
Label	Numericani		D00050			
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20253	×	N	N
Account	1,2,3,4,3,2	- Account A , A - Account 5				
Account	55	5 - Account 6				
Function Keys-> Line	Sting	Pickup Code	P20254	×		
Key-> Line key	5					
15->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20255	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
16->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XIML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				

lek		Parameter List				
		Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 16->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20615	×	V	\checkmark
Function Keys-> Line Key-> Line key 16-> Value	string	Value	P20256	×	V	\checkmark
Function Keys-> Line Key-> Line key 16-> Label	String	Label	P20257	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 16-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20258	×	V	\checkmark
Function Keys-> Line Key-> Line key 16->Pickup Code	Sting	Pickup Code	P20259	×	V	\checkmark
Function Keys-> Line Key-> Line key 17->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine	P20260	×		~

		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20616	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
17->Mode						
Function Keys-> Line	string	Value	P20261	×	\checkmark	
Key-> Line key 17->						
Value						
Function Keys-> Line	String	Label	P20262	×	\checkmark	
Key-> Line key 17->	_					
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20263	×	\checkmark	
Key-> Line key 17->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Kevs-> Line	Sting	Pickup Code	P20264	×		
Key-> Line key	J	•				
17->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20265	×	\checkmark	
Kev-> Line kev	0-47	- Speeddial. 3 - BLF. 4 -				
18->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup 8 - Call Park 9 -				
		Intercom 10 - DTMF 11 -				
		Frefix 12 - Local Group 13				
		- XML Group 14 - XML				
		Browcor 15 I DAB 16				
		Broad Soft Croup 17				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Iransfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20617	×	\checkmark	
Key-> Line key	0-3	2 - Float				
18->Mode						
Function Keys-> Line	string	Value	P20266	×		
Key-> Line key 18->						



Value						
Function Keys-> Line	String	Label	P20267	×	\checkmark	\checkmark
Key-> Line key 18->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20268	×	\checkmark	\checkmark
Key-> Line key 18->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20269	×	\checkmark	
Key-> Line key						
18->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20270	×	\checkmark	
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
19->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20618	×		
Key-> Line key	0-3	2 - Float				
19->Mode						
Function Keys-> Line	string	Value	P20271	×	\checkmark	\checkmark
Key-> Line key 19->						
Value						
Function Keys-> Line	String	Label	P20272	×		
Key-> Line key 19->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20273	×	\checkmark	
Key-> Line key 19->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				

Function Keys-> Line	Sting	Pickup Code	P20274	×	\checkmark	\checkmark
19->Pickup Code						
19->Pickup Code Function Keys-> Line Key-> Line key 20->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 –	P20275	×	√	√
		URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 20->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20619	×	V	\checkmark
Function Keys-> Line Key-> Line key 20-> Value	string	Value	P20276	×	V	\checkmark
Function Keys-> Line Key-> Line key 20-> Label	String	Label	P20277	×	V	\checkmark
Function Keys-> Line Key-> Line key 20-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20278	×	V	\checkmark
Function Keys-> Line Key-> Line key 20->Pickup Code	Sting	Pickup Code	P20279	×		\checkmark
Function Keys-> Line Key-> Line key 21->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 -	P20280	×		V

lek		Parameter List				
		Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 21->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20620	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 21-> Value	string	Value	P20281	×	\checkmark	V
Function Keys-> Line Key-> Line key 21-> Label	String	Label	P20282	×	V	V
Function Keys-> Line Key-> Line key 21-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20283	×	V	\checkmark
Function Keys-> Line Key-> Line key 21->Pickup Code	Sting	Pickup Code	P20284	×	\checkmark	N
Function Keys-> Line Key-> Line key 22->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 -	P20285	×	V	\checkmark

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		Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 22->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20621	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 22-> Value	string	Value	P20286	×	V	\checkmark
Function Keys-> Line Key-> Line key 22-> Label	String	Label	P20287	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 22-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20288	×	V	
Function Keys-> Line Key-> Line key 22->Pickup Code	Sting	Pickup Code	P20289	×	V	\checkmark
Function Keys-> Line Key-> Line key 23->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20290	×		

Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20622	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
23->Mode						
Function Keys-> Line	string	Value	P20291	×	\checkmark	\checkmark
Key-> Line key 23->						
Value						
Function Keys-> Line	String	Label	P20292	×	\checkmark	
Key-> Line key 23->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20293	×	\checkmark	
Key-> Line key 23->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20294	×		
Key-> Line key	_					
23->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20295	×	\checkmark	
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
24->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix. 12 - Local Group. 13				
		- XMI Group 14 - XMI				
		Browser 15 - I DAP 16 -				
		BroadSoft Group 17 -				
		Conference 18 - Ferward				
		10 Transfor 20 Hold 21				
		- DIND, 22 - Reulai, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20623	×	\checkmark	\checkmark
Key-> Line key	0-3	2 - Float				
24->Mode						
Function Keys-> Line	string	Value	P20296	×		
Key-> Line key 24->						
Value						
Function Keys-> Line	String	Label	P20297	×	\checkmark	\checkmark
Key-> Line key 24->						



Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20298	×		\checkmark
Key-> Line key 24->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20299	×	\checkmark	\checkmark
Key-> Line key						
24->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20300	×	\checkmark	
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
25->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser. 15 - LDAP. 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward.				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return 24 – SMS 25 -				
		Record 26 - URI Record				
		27 - Paging, 28 - Group				
		Listening 29 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD_{34} - Zero Touch_35 -				
		URI 47 - MultiCast Paging)				
Function Keys-> Line	Number:	Mode $0 - Default 1 - Lock$	P20624	×		
Kev-> Line kev	0-3	2 - Float	1 2002 1	~		'
25->Mode	00					
Function Keys-> Line	string	Value	P20301	×		\checkmark
Key-> Line key 25->	_					
Value						
Function Keys-> Line	String	Label	P20302	×		\checkmark
Key-> Line key 25->	-					
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20303	×		\checkmark
Key-> Line key 25->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Kevs-> Line	Sting	Pickup Code	P20304	×		
Key-> Line kev		-1				
25->Pickup Code						

E Htek		Parameter List				
Function Keys->Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20305	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
26->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Function Kovo - Lino	Numbori	URL, 47 - MultiCast Paging)	DODGOE			
Function Reys-> Line		2 Elect	F20025	×	N	v
26->Mode	0-3	z - Float				
Eunction Keys-> Line	string	\/alue	P20306	~	N	1
Kev-> Line key 26->	Stillig		1 20000			×
Value						
Function Kevs-> Line	Strina	Label	P20307	×		\checkmark
Key-> Line key 26->	5					
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20308	×	\checkmark	\checkmark
Key-> Line key 26->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20309	×	\checkmark	\checkmark
Key-> Line key						
26->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20310	×	\checkmark	\checkmark
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
27->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				

lek		Parameter List				
Function Keve-> Line	Number	Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20626	×	~	
Key-> Line key 27->Mode	0-3	2 - Float	F20020	*	v	v
Function Keys-> Line Key-> Line key 27-> Value	string	Value	P20311	×	V	\checkmark
Function Keys-> Line Key-> Line key 27-> Label	String	Label	P20312	×	V	\checkmark
Function Keys-> Line Key-> Line key 27-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20313	×	V	\checkmark
Function Keys-> Line Key-> Line key 27->Pickup Code	Sting	Pickup Code	P20314	×	V	\checkmark
Function Keys-> Line Key-> Line key 28->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group	P20315	×		

lek		Parameter List				
		Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 28->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20627	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 28-> Value	string	Value	P20316	×	V	V
Function Keys-> Line Key-> Line key 28-> Label	String	Label	P20317	×	V	\checkmark
Function Keys-> Line Key-> Line key 28-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20318	×	V	V
Function Keys-> Line Key-> Line key 28->Pickup Code	Sting	Pickup Code	P20319	×	\checkmark	\checkmark
Function Keys-> Line Key-> Line key 29->Type	Number: 0-47	 Key Type(0 -N/A, 1 - Line, 2 Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 - Hold, 21 DND, 22 - Redial, 23 - Call Return, 24 - SMS, 25 - Record, 26 - URL Record, 27 - Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 - URL, 47 - MultiCast Paging) 	P20320	×	×	
Function Keys-> Line Key-> Line key 29->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20628	×	×	

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Function Keys-> Line Key-> Line key 29->	string	Value	P20321	×	×	\checkmark
Function Keys-> Line Key-> Line key 29-> Label	String	Label	P20322	×	×	\checkmark
Function Keys-> Line Key-> Line key 29-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20323	×	×	\checkmark
Function Keys-> Line Key-> Line key 29->Pickup Code	Sting	Pickup Code	P20324	×	×	\checkmark
Function Keys-> Line Key-> Line key 30->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20325	×	×	V
Function Keys-> Line Key-> Line key 30->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20629	×	×	\checkmark
Function Keys-> Line Key-> Line key 30-> Value	string	Value	P20326	×	×	
Function Keys-> Line Key-> Line key 30-> Label	String	Label	P20327	×	×	\checkmark
Function Keys-> Line Key-> Line key 30->	Number:0, 1,2,3,4,5,2	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3	P20328	×	×	\checkmark



Account	55	- Account 4, 4 – Account 5, 5 – Account 6				
Function Keys-> Line Key-> Line key 30->Pickup Code	Sting	Pickup Code	P20329	×	×	
Function Keys-> Line Key-> Line key 31->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20330	×	×	N
Function Keys-> Line Key-> Line key 31->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20630	×	×	\checkmark
Function Keys-> Line Key-> Line key 31-> Value	string	Value	P20331	×	×	√
Function Keys-> Line Key-> Line key 31-> Label	String	Label	P20332	×	×	√
Function Keys->Line Key-> Line key 31-> Account	Number:0, 1,2,3,4,5,2 55	 255 - Auto, 0 - Account 1, 1 Account 2, 2 - Account 3, 3 Account 4, 4 – Account 5, 5 – Account 6 	P20333	×	×	V
Function Keys-> Line Key-> Line key 31->Pickup Code	Sting	Pickup Code	P20334	×	×	\checkmark
Function Keys-> Line Key-> Line key 32->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 -	P20335	×	×	\checkmark

lek		Parameter List				
		Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Line Key-> Line key 32->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20631	×	×	\checkmark
Function Keys-> Line Key-> Line key 32-> Value	string	Value	P20336	×	×	\checkmark
Function Keys-> Line Key-> Line key 32-> Label	String	Label	P20337	×	×	\checkmark
Function Keys-> Line Key-> Line key 32-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20338	×	×	V
Function Keys-> Line Key-> Line key 32-> Pickup Code	Sting	Pickup Code	P20339	×	×	\checkmark
Function Keys-> Line Key-> Line key 33->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward,	P20340	×	×	V

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l -Itek		Parameter List				
Function Keys-> Line	Number:	19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging) Mode.0 – Default, 1 – Lock,	P20632	×	×	√
Key-> Line key 33->Mode Function Keys-> Line	0-3 string	2 - Float Value	P20341	×	×	
Key-> Line key 33-> Value			D 00040			
Function Keys-> Line Key-> Line key 33-> Label	String	Label	P20342	×	×	N
Function Keys-> Line Key-> Line key 33-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20343	×	×	\checkmark
Function Keys-> Line Key-> Line key 33->Pickup Code	Sting	Pickup Code	P20344	×	×	\checkmark
Function Keys-> Line Key-> Line key 34->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 -	P20345	×	×	



		ACD, 34 - Zero Touch, 35 -				
Function Keys-> Line Key-> Line key	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20633	×	×	V
Function Keys-> Line Key-> Line key 34-> Value	string	Value	P20346	×	×	V
Function Keys-> Line Key-> Line key 34-> Label	String	Label	P20347	×	×	V
Function Keys-> Line Key-> Line key 34-> Account	Number:0, 1,2,3,4,5,2 55	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4, 4 – Account 5, 5 – Account 6	P20348	×	×	V
Function Keys-> Line Key-> Line key 34->Pickup Code	Sting	Pickup Code	P20349	×	×	V
Function Keys-> Line Key-> Line key 35->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P20350	×	×	V
Function Keys-> Line Key-> Line key 35->Mode	Number: 0-3	Mode.0 – Default, 1 – Lock, 2 - Float	P20634	×	×	V
Function Keys-> Line Key-> Line key 35-> Value	string	Value	P20351	×	×	V



Function Keys-> Line Key-> Line key 35->	String	Label	P20352	×	×	
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20353	×	×	\checkmark
Key-> Line key 35->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20354	×	×	\checkmark
Key-> Line key						
35->Pickup Code						
Function Keys-> Line	Number:	Key Type(0 -N/A, 1 - Line, 2	P20355	×	×	
Key-> Line key	0-47	- Speeddial, 3 - BLF, 4 -				
36->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix 12 - Local Group 13				
		- XMI Group 14 - XMI				
		Browser 15 - I DAP 16 -				
		BroadSoft Group 17				
		Conference 18 - Forward				
		10 Transfor 20 Hold 21				
		DND 22 Redial 22				
		- DIND, 22 - Reulai, 23 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)				1
Function Keys-> Line	Number:	Mode.0 – Default, 1 – Lock,	P20635	×	×	\checkmark
Key-> Line key	0-3	2 - Float				
36->Mode						
Function Keys-> Line	string	Value	P20356	×	×	\checkmark
Key-> Line key 36->						
Value						
Function Keys-> Line	String	Label	P20357	×	×	\checkmark
Key-> Line key 36->						
Label						
Function Keys-> Line	Number:0,	255 - Auto, 0 - Account 1, 1	P20358	×	×	
Key-> Line key 36->	1,2,3,4,5,2	- Account 2, 2 - Account 3, 3				
Account	55	- Account 4, 4 – Account 5,				
		5 – Account 6				
Function Keys-> Line	Sting	Pickup Code	P20359	×	×	



Key-> Line key						
36->Pickup Code						
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42200	×	×	×
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -				
Memory key 1->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		MI Group 14 XMI				
		Browser 15 - I DAP 16 -				
		BroadSoft Group 17 -				
		Conference, 18 - Forward				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->	string	Value	P42300	×	×	×
Memory Key ->						
Memory key 1->						
Value	Numbor:0	255 Auto O Account 1 1	P42400	~	~	~
Memory Key ->	1 2 3 255	200 - Auto, 0 - Account 1, 1	F42400	×	^	*
Memory key 1->	1,2,0,200	- Account 4				
Account						
Function Keys->	Sting	Pickup Code	P42500	×	×	×
Memory Key ->						
Memory key 1->						
Pickup Code						
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42201	×	×	×
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -				
Memory key 2->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		BIOWSER, 15 - LDAP, 16 -				
		BIOADSOIT GROUP, 17 -				

lek		Parameter List				
		Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Memory Key -> Memory key 2-> Value	string	Value	P42301	×	×	×
Function Keys-> Memory Key -> Memory key 2-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P42401	×	×	×
Function Keys-> Memory Key -> Memory key 2-> Pickup Code	Sting	Pickup Code	P42501	×	×	×
Function Keys-> Memory Key -> Memory key 3->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P42202	×	×	×
Function Keys->	string	Value	P42302	×	×	×

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Memory Key ->						
Memory key 3->						
Value						
Function Keys->	Number:0,	255 - Auto, 0 - Account 1, 1	P42402	×	×	×
Memory Key ->	1,2,3,255	- Account 2, 2 - Account 3, 3				
Memory key 3->		- Account 4				
Account						
Function Keys->	Sting	Pickup Code	P42502	×	×	×
Memory Key ->	_					
Memory key 3->						
Pickup Code						
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42203	×	×	×
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -				
Memory key 4->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix. 12 - Local Group. 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference 18 - Forward				
		19 - Transfer $20 - Hold 21$				
		- DND 22 - Redial 23 -				
		Call Return $24 - SMS 25$				
		Record 26 - LIRI Record				
		27 - Paging 28 - Group				
		Listoping 20 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD 24 Zoro Touch 25				
		ACD, 34 - Zero rouch, 35 - LIPL 47 - MultiCast Paging)				
Function Keye->	string		P42202	~	~	~
Momory Koy	Sung		1 72000	^	^	^
Memory key 1->						
Memory Key 4->						
Function Kove	Number:0	255 - Auto 0 - Account 1 1	D/12/02	~	~	~
Momory Koy		200 - Auto, 0 - Autount 1, 1	1 42403	^	^	^
Momory koy 4 >	1,2,3,200	- Account $2, 2$ - Account 3, 3				
Account	Ctin a	Diakup Cada	D40500			
FUNCTION Keys->	Sung	Ріскир Соде	r425U3	×	×	×
Nemory Key ->						
Niemory key 4->						
Pickup Code		· · · · · · · · · · · · · · · · · · ·	D 4055			
⊢ ⊢unction Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42204	×	×	×

E l-Itek		Parameter List					
Memory Key ->	0-47	- Speeddial. 3 - BLF. 4 -					
Memory key 5->Type	-	BLF List. 5 - Voicemail. 6 -					
		Direct Pickup, 7 - Group					
		Pickup, 8 - Call Park, 9 -					
		Intercom, 10 - DTMF, 11 -					
		Frefix, 12 - Local Group, 13					
		- XML Group, 14 - XML					
		Browser, 15 - LDAP, 16 -					
		BroadSoft Group, 17 -					
		Conference 18 - Forward					
		19 - Transfer 20 – Hold 21					
		- DND 22 - Redial 23 -					
		Call Return $24 - SMS 25$					
		Record 26 - URI Record					
		27 - Paging 28 - Group					
		Listening 29 - Public Hold					
		30 - Private Hold 31 - Shine					
		Line 32 - Hot Desking 33 -					
		ACD 34 - Zero Touch 35 -					
		LIRI 47 - MultiCast Paging)					
Function Keys->	string	Value	P/230/	~	~	~	
Memory Key ->	Stillig	Value	1 42004	Î Î	^	^	
Memory key 5->							
Function Kevs->	Number:0.	255 - Auto. 0 - Account 1. 1	P42404	×	×	×	
Memory Key ->	1.2.3.255	- Account 2. 2 - Account 3. 3					
Memory key 5->	.,_,_,	- Account 4					
Account							
Function Keys->	Sting	Pickup Code	P42504	×	×	×	
Memory Key ->	Ũ						
Memory key 5->							
Pickup Code							
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42205	×	×	×	
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -					
Memory key 6->Type		BLF List, 5 - Voicemail, 6 -					
		Direct Pickup, 7 - Group					
		Pickup, 8 - Call Park, 9 -					
		Intercom, 10 - DTMF, 11 -					
		Frefix, 12 - Local Group, 13					
		- XML Group, 14 - XML					
		Browser, 15 - LDAP, 16 -					
		BroadSoft Group, 17 -					
		Conference, 18 - Forward,					
		19 - Transfer, 20 – Hold, 21					
		- DND, 22 - Redial, 23 -					
		Call Return, 24 – SMS, 25 -					

lek		Parameter List				
		Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Memory Key -> Memory key 6-> Value	string	Value	P42305	×	×	×
Function Keys-> Memory Key -> Memory key 6-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P42405	×	×	×
Function Keys-> Memory Key -> Memory key 6-> Pickup Code	Sting	Pickup Code	P42505	×	×	×
Function Keys-> Memory Key -> Memory key 7->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P42206	×	×	×
Function Keys-> Memory Key -> Memory key 7-> Value	string	Value	P42306	×	×	×

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Function Keys->

P42406

×

×

×

Number:0, 255 - Auto, 0 - Account 1, 1



Memory Key -> Memory key 7->	1,2,3,255	- Account 2, 2 - Account 3, 3 - Account 4				
Account						
Function Keys->	Sting	Pickup Code	P42506	×	×	×
Memory Key ->						
Memory key 7->						
Pickup Code						
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42207	×	×	×
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -				
Memory key 8->Type		BLF List, 5 - Voicemail, 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser 15 - I DAP 16 -				
		BroadSoft Group 17 -				
		Conference 18 - Forward				
		19 - Transfer $20 - Hold 21$				
		- DND 22 - Redial 23 -				
		Call Return $24 - SMS 25$				
		Becord 26 - LIBL Becord				
		27 - Paging 28 - Group				
		Listening 29 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD 34 - Zero Touch 35				
		ACD, 34 - Zero rouch, 33 - LIRL 47 - MultiCast Paging)				
Function Kove->	string	Value	D42307	~	~	~
Memory Key ->	Stillig	Value	1 42307	^	^	^
Momory koy 8->						
Function Kevs->	Number:0.	255 - Auto. 0 - Account 1. 1	P42407	×	×	×
Memory Kev ->	1,2,3.255	- Account 2, 2 - Account 3. 3	_			
Memory key 8->	, ,-,	- Account 4				
Account						
Function Keys->	Sting	Pickup Code	P42507	×	×	×
Memory Key ->	-					
Memory key 8->						
Pickup Code						
Function Keys->	Number:	Key Type(0 -N/A, 1 - Line, 2	P42208	×	×	×
Memory Key ->	0-47	- Speeddial, 3 - BLF, 4 -				
Memory key 9->Type		BLF List, 5 - Voicemail. 6 -				
		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				

l -Itek		Parameter List				
		Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys-> Memory Key -> Memory key 9-> Value	string	Value	P42308	×	×	×
Function Keys-> Memory Key -> Memory key 9-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P42408	×	×	×
Function Keys-> Memory Key -> Memory key 9-> Pickup Code	Sting	Pickup Code	P42508	×	×	×
Function Keys-> Memory Key -> Memory key 10->Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine	P42209	×	×	×

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E l-Itek

		Parameter List				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Europhics Kours	a tala a	URL, 47 - MultiCast Paging)	D 40000			
Function Keys->	string	Value	P42309	×	×	×
Momony Key ->						
	Numbor:0	255 - Auto 0 - Account 1 1	P42400		~	~
Memory Key ->	1 2 3 255	200 - Auto, 0 - Account 1, 1	F42409	~	^	~
Memory key 10->	1,2,3,233	- Account 2 , 2 - Account 3 , 3				
Function Keys->	Sting	Pickup Code	P42509	×	×	×
Memory Key ->	Curig		1 42000	Â		
Memory key 10->						
Pickup Code						
Function Kevs->	Number:0.	Type(0 - N/A, 2 - Speed	P43200			
Programmable key->	2,6,7,9,12,	Dial, 6 - Direct Pickup,7 -				
softkey1->Type	13,14,16,1	Group Pickup, 9 - Intercom,				
5 51	8,21,22,23	12 - Local Group, 13 - XML				
	,24,36,37,	Group,14 - XML Browser,				
	38,39,40,4	16 - BroadSoft Group, 18 -				
	1,42,43,44	Forward, 21 – DND, 22 -				
	,45,46	Redial, 23 - Call Return, 24				
		- SMS,36 - History, 37 -				
		Directory, 38 - Menu, 39 -				
		NewSMS, 40 - Status, 41 -				
		Switch Account Up, 42 -				
		Switch Account Down, 43 -				
		Local Phone Book, 44 -				
		BroadSoft Phone Book, 45 -				
		XML Phone Book, 46 -				
		NetWork Call Log)				
Function Keys->	Number:0,	255 - Auto, 0 - Account 1, 1	P43300	\checkmark	\checkmark	\checkmark
Programmable key->	1,2,3,255	- Account 2, 2 - Account 3, 3				
softkey1-> Account		- Account 4				
Function Keys->	String	Value	P43400	\checkmark	\checkmark	\checkmark
Programmable key->						
softkey1-> Value						
Function Keys->	Number:0,	Type(0 - N/A, 2 - Speed	P43201	\checkmark	\checkmark	\checkmark
Programmable key->	2,6,7,9,12,	Dial, 6 - Direct Pickup,7 -				
softkey2->Type	13,14,16,1	Group Pickup, 9 - Intercom,				
	8,21,22,23	12 - Local Group, 13 - XML				
	,24,36,37,	Group,14 - XML Browser,				
	38,39,40,4	16 - BroadSoft Group, 18 -				
	1,42,43,44	Forward, 21 – DND, 22 -				

	,45,46	Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)				
Function Keys-> Programmable key-> softkey2-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43301	N	N	N
Function Keys-> Programmable key-> softkey2-> Value	String	Value	P43401	\checkmark	\checkmark	\checkmark
Function Keys-> Programmable key-> softkey3->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Type(0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	P43202			
Function Keys-> Programmable key-> softkey3-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43302	\checkmark	\checkmark	V
Function Keys-> Programmable key-> softkey3-> Value	String	Value	P43402	\checkmark	\checkmark	\checkmark
Function Keys-> Programmable key-> softkey4->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 -	P43203	V	V	V



	1,42,43,44 ,45,46	Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)				
Function Keys-> Programmable key-> softkey4-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43303	N	N	N
Function Keys-> Programmable key-> softkey4-> Value	String	Value	P43403	V	V	\checkmark
Function Keys-> Programmable key-> Up->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	P43204			
Function Keys-> Programmable key-> Up -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43304	V	V	V
Function Keys-> Programmable key-> Up -> Value	String	Value	P43404	\checkmark	√	V
Function Keys-> Programmable key-> Down->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37,	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser,	P43205	V	√	\checkmark



	38,39,40,4 1,42,43,44 ,45,46	16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)				
Function Keys->	Number:0,	255 - Auto, 0 - Account 1, 1	P43305	\checkmark	\checkmark	\checkmark
Programmable key->	1,2,3,255	- Account 2, 2 - Account 3, 3				
Down -> Account	Otalia a	- Account 4	D 40 405		.1	.1
Punction Keys-> Programmable key-> Down -> Value	String	Value	P43405	N	N	N
Function Keys-> Programmable key-> Left->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	P43206			V
Function Keys-> Programmable key-> Left -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43306	V	V	\checkmark
Function Keys-> Programmable key-> Left -> Value	String	Value	P43406	V	\checkmark	V
Function Keys-> Programmable key-> Right->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML	P43207	V	\checkmark	

	24 36 37	Group 14 - XML Browser				
	38 39 40 4	16 - BroadSoft Group 18 -				
	1 42 43 44	Forward $21 - DND 22$				
	45 46	Redial 23 - Call Return 24				
	, 10, 10	- SMS 36 - History 37 -				
		Directory 38 - Menu 39 -				
		NewSMS 40 - Status 41 -				
		Switch Account I In 42 -				
		Switch Account Down 43 -				
		Local Phone Book 44 -				
		BroadSoft Phone Book 45 -				
		XMI Phone Book 46 -				
		NetWork Call Log)				
Function Kevs->	Number:0	255 - Auto, 0 - Account 1, 1	P43307			
Programmable kev->	1.2.3.255	- Account 2, 2 - Account 3, 3	1 10001			`
Right -> Account	1,2,0,200	- Account 4				
Function Keys->	String	Value	P43407			
Programmable kev->	Othing		1 10107	,	•	`
Right -> Value						
Function Keys->	Number:0	Type (0 - N/A 2 - Speed	P43208			
Programmable kev->	267912	Dial 6 - Direct Pickup 7 -	1 10200			`
Ok->Type	13 14 16 1	Group Pickup, 9 - Intercom				
	8.21.22.23	12 - Local Group, 13 - XMI				
	24.36.37	Group 14 - XMI Browser				
	38 39 40 4	16 - BroadSoft Group, 18 -				
	1.42.43.44	Forward, 21 – DND, 22 -				
	.45.46	Redial, 23 - Call Return, 24				
	,,	- SMS.36 - History. 37 -				
		Directory, 38 - Menu, 39 -				
		NewSMS, 40 - Status, 41 -				
		Switch Account Up. 42 -				
		Switch Account Down, 43 -				
		Local Phone Book. 44 -				
		BroadSoft Phone Book, 45 -				
		XML Phone Book, 46 -				
		NetWork Call Log)				
Function Keys->	Number:0,	255 - Auto, 0 - Account 1, 1	P43308			\checkmark
Programmable key->	1,2,3,255	- Account 2, 2 - Account 3, 3				
Ok -> Account	, , ,	- Account 4				
Function Keys->	String	Value	P43408			\checkmark
Programmable kev->	5					
Ok -> Value						
Function Keys->	Number:0,	Type(0 - N/A, 2 - Speed	P43209			\checkmark
Programmable key->	2,6,7,9,12.	Dial, 6 - Direct Pickup,7 -				
Cancel->Type	13,14,16,1	Group Pickup, 9 - Intercom,				

	8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)				
Function Keys-> Programmable key-> Cancel -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43309	N	N	N
Function Keys-> Programmable key-> Cancel -> Value	String	Value	P43409	V	V	V
Function Keys-> Programmable key-> MUTE->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	P43212			
Function Keys-> Programmable key-> MUTE -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43312	\checkmark	V	\checkmark
Function Keys-> Programmable key-> MUTE -> Value	String	Value	P43412	1	V	\checkmark
Function Keys-> Programmable key->	Number:0, 2,6,7,9,12,	Type (0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 -	P43210	×	\checkmark	\checkmark

Htek		Parameter List				
CONF->Type	13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Parameter List Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)				
Function Keys-> Programmable key-> CONF-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43310	×	\checkmark	V
Function Keys-> Programmable key-> CONF-> Value	String	Value	P43410	×	V	\checkmark
Function Keys-> Programmable key-> TRAN->Type	Number:0, 2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Type(0 - N/A, 2 - Speed Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	P43213			
Function Keys-> Programmable key-> TRAN-> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P43313	V	V	\checkmark
Function Keys-> Programmable key-> TRAN-> Value	String	Value	P43413	V	V	V
Function Keys->	Number:0,	Type (0 - N/A, 2 - Speed	P43211	×	\checkmark	
l -Itek		Parameter List				
--	---	---	--------	---	---	---------------
Programmable key-> HOLD->Type	2,6,7,9,12, 13,14,16,1 8,21,22,23 ,24,36,37, 38,39,40,4 1,42,43,44 ,45,46	Dial, 6 - Direct Pickup,7 - Group Pickup, 9 - Intercom, 12 - Local Group, 13 - XML Group,14 - XML Browser, 16 - BroadSoft Group, 18 - Forward, 21 – DND, 22 - Redial, 23 - Call Return, 24 - SMS,36 - History, 37 - Directory, 38 - Menu, 39 - NewSMS, 40 - Status, 41 - Switch Account Up, 42 - Switch Account Up, 42 - Switch Account Down, 43 - Local Phone Book, 44 - BroadSoft Phone Book, 45 - XML Phone Book, 46 - NetWork Call Log)	D42211	~		
Programmable key-> HOLD -> Account	1,2,3,255	- Account 2, 2 - Account 3, 3 - Account 4	P43311	×	N	Ň
Function Keys-> Programmable key-> HOLD -> Value	String	Value	P43411	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 ->page1 -> key 1 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60001	×		
Function Keys->EXP KEY -> Expansion1 -> page1 ->kev 1 ->	string	Value	P60002	×	V	\checkmark
		141		ı	r	<u>ــــــ</u>



Value						
Function Keys->EXP	string	Label	P60003	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 1 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60004	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 1 ->		- Account 4				
Account						1
Function Keys->EXP	Sting	Pickup Code	P60005	×	N	\checkmark
KEY -> Expansion1						
-> page1 ->key 1->						
			D 00000		1	1
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60006	×	N	N
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 2 ->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Frefix 12 Local Group 12				
		- XML Group 14 - XML				
		Browser 15 - I DAP 16 -				
		BroadSoft Group 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND. 22 - Redial. 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60007	×		
KEY -> Expansion1						
-> page1 ->key 2 ->						
Value						
Function Keys->EXP	string	Label	P60008	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 2 ->						
Label					,	1
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60009	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 2 ->		- Account 4				



Account						
Function Keys->EXP	Sting	Pickup Code	P60010	×		\checkmark
KEY -> Expansion1						
-> page1 ->key 2->						
Pickup Code						
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 3 -> Type	Number: 0-47	Key Type(0 - N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward.	P60011	×	N	N
		19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 3 -> Value	string	Value	P60012	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 3 -> Label	string	Label	P60013	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 3 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60014	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 3-> Pickup Code	Sting	Pickup Code	P60015	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 4 ->	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 -	P60016	×	\checkmark	\checkmark

lek		Parameter List				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Eurotian Kours , EVD	a trica a	URL, 47 - MultiCast Paging)	D00047			
Function Keys->EXP	string	value	P60017	×	N	Ň
KET -> Expansion i						
-> page 1 -> key 4 ->						
	otring		D60019			2
KEV > Expansion1	sung	Laber	F00010	×	N	Ň
r = 1 - 2 = 2 parts 10111						
Function Kevs->EXP	Number:0.	255 - Auto, 0 - Account 1, 1	P60019	×		
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 4 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60020	×		\checkmark
KEY -> Expansion1						
-> page1 ->key 4->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60021	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 5 ->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				

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lek		Parameter List				
Function Keys->EXP	string	19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging) Value	P60022	×	√	√
KEY -> Expansion1 -> page1 ->key 5 ->-> Value	5					
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 5 -> Label	string	Label	P60023	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 5 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60024	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 5-> Pickup Code	Sting	Pickup Code	P60025	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 6 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 -	P60026	×		

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		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)	D		1	1
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 6 -> Value	string	Value	P60027	×	N	N
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 6 -> Label	string	Label	P60028	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 6 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60029	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 6-> Pickup Code	Sting	Pickup Code	P60030	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 7 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60031	×		
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 7 -> Value	string	Value	P60032	×	V	V
Function Keys->EXP KEY -> Expansion1	string	Label	P60033	×	\checkmark	\checkmark



-> page1 ->key 7 -> Label						
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 7 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60034	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 7-> Pickup Code	Sting	Pickup Code	P60035	×	\checkmark	
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 8 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60036	×		V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 8 -> Value	string	Value	P60037	×	\checkmark	V
Function Keys->EXP KEY -> Expansion1 ->key 8 ->-> Label	string	Label	P60038	×	\checkmark	
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 8 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60039	×	N	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 8->	Sting	Pickup Code	P60040	×	\checkmark	



Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60041	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 9 ->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Function Keve->EXP	string		P60042	~	N	2
KEV -> Expansion1	String	value	1 00042	^	v	v
-> nage1 ->key 9 ->						
Value						
Function Kevs->EXP	strina	Label	P60043	×		
KEY -> Expansion1	3					
-> page1 ->key 9 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60044	×		\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 9 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60045	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 9->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60046	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 10->		BLF List, 5 - Voicemail, 6 -				
Гуре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				

l -Itek		Parameter List				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				<u> </u>
Function Keys->EXP	string	Value	P60047	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 10 ->						
					1	
Function Keys->EXP	string	Label	P60048	×	N	\checkmark
KEY -> Expansion1						
-> page1 ->key 10 ->						
			D		1	
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60049	×	N	N
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 10 ->		- Account 4				
	Cting	Diakun Cada	DCOOFO			
	Sung		P60050	×	N	N
NET -> Expansion						
-> paget ->key 10->						
Function Kove->EXP	Numbor	K_{0} V_{0} V_{0	P60051	~	1	1
KEV -> Expansion1		- Spooddial 3 - BLE 4 -	F 0003 T	^	v	v
-> nage1 ->key 11->	0-47	BIEList 5 - Voicemail 6 -				
		Direct Pickup 7 - Group				
Type		Pickup 8 - Call Park 9 -				
		Intercom 10 - DTMF 11 -				
		Frefix 12 - Local Group 13				
		- XMI Group 14 - XMI				
		Browser 15 - I DAP 16 -				
		BroadSoft Group, 17 -				
		Conference 18 - Forward				
		19 - Transfer 20 - Hold 21				
		- DND, 22 - Redial 23 -				
		Call Return, 24 – SMS, 25 -				
		Record. 26 - URI Record				
	1			1	L	

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Htek		Parameter List				
Function Keys->FXP	string	27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60052	×	N	
KEY -> Expansion1 -> page1 ->key 11 -> Value	String	Value	1 00002		,	,
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 11 -> Label	string	Label	P60053	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 11 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60054	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 11-> Pickup Code	Sting	Pickup Code	P60055	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 12-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60056	×		
Function Keys->EXP KEY -> Expansion1	string	Value	P60057	×	\checkmark	\checkmark



-> page1 ->key 12 ->						
Value						
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 12 -> Label	string	Label	P60058	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 12 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60059	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 12-> Pickup Code	Sting	Pickup Code	P60060	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 13-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60061	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 13 -> Value	string	Value	P60062	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 13 -> Label	string	Label	P60063	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3	P60064	×	\checkmark	\checkmark



-> page1 ->key 13 -> Account		- Account 4				
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 13-> Pickup Code	Sting	Pickup Code	P60065	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 14-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60066	×		
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 14 -> Value	string	Value	P60067	×	V	N
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 14 -> Label	string	Label	P60068	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 14 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60069	×	N	V
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 14-> Pickup Code	Sting	Pickup Code	P60070	×	N	V
Function Keys->EXP KEY -> Expansion1	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 -	P60071	×	\checkmark	\checkmark

lek		Parameter List				
-> page1 ->key 15-> Type		BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 15 -> Value	string	Value	P60072	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 15 -> Label	string	Label	P60073	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 15 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60074	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 15-> Pickup Code	Sting	Pickup Code	P60075	×	√	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 16-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 -	P60076	×	V	\checkmark

lek		Parameter List				
		Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	D00077			
KEY -> Expansion1 -> page1 ->key 16 -> Value	string	value	P60077	×	N	N
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 16 -> Label	string	Label	P60078	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 16 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60079	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 16-> Pickup Code	Sting	Pickup Code	P60080	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page1 ->key 17-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine	P60081	×		



		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60082	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 17 ->						
Value						
Function Keys->EXP	string	Label	P60083	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 17 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60084	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 17 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60085	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 17->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60086	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 18->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60087	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 18 ->						
Value						
Function Keys->EXP	string	Label	P60088	×	\checkmark	\checkmark



KEY -> Expansion1						
-> page1 ->kev 18 ->						
Label						
Function Keys->EXP	Number:0	255 - Auto, 0 - Account 1, 1	P60089	×		
KEY -> Expansion1	1.2.3.255	- Account 2, 2 - Account 3, 3				
-> nage1 ->kev 18 ->	1,2,0,200	- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60090	~	N	N
KEV -> Expansion1	Sting		1 00030	^	v	v
-> nage1 ->key 18->						
Pickup Codo						
	Number	Kay Type (0 N/A 1 Line 2	D60001			al
FUNCTION Keys->EXP	Number:	Rey Type(U - N/A, T - Line, 2	P60091	×	Ň	N
KEY -> Expansion I	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 19->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold				
		30 - Private Hold 31 - Shine				
		Line 32 - Hot Desking 33 -				
		ACD 34 - Zero Touch 35 -				
		LIRI 47 - MultiCast Paging)				
Function Kove > EVD	etring	Value	B60002	~	2	2
KEV S Evanation	Sung	Value	F00092	×	N	N
-> page1 -> key 19 ->						
			.		1	1
Function Keys->EXP	string	Label	P60093	×	ν	ν
KEY -> Expansion1						
-> page1 ->key 19 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60094	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 19 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60095	×	\checkmark	



				1		
KEY -> Expansion1						
-> page1 ->key 19->						
			D 00000		1	1
Function Keys->EXP	Number:	Key Type(0 - N/A, 1 - Line, 2	P60096	×	γ	N
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page1 ->key 20->		BLF List, 5 - Voicemail, 6 -				
Туре		Pickup, 8 - Call Park, 9 -				
		Intercom 10 - DTMF 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		27 - Paging 28 - Group				
		Listening, 29 - Public Hold.				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60097	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 20 ->						
Value	otring		DC0000			
KEV -> Expansion1	sung	Laber	P00090	×	N	N
-> page1 ->key 20 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60099	×	\checkmark	
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page1 ->key 20 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60100	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page1 ->key 20->						
Pickup Code	Numbori	Kov Typo (0 N/A 1 Lino 2	D60101		2	
KEY -> Evnancion1		- Speeddial 3 - RIF 1 -		×	N	N
->page2 -> kev 1 ->		BLF List. 5 - Voicemail 6 -				
Type		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				

l -Itek		Parameter List				
		Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 1 -> Value	string	Value	P60102	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 1 -> Label	string	Label	P60103	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 1 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60104	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 1-> Pickup Code	Sting	Pickup Code	P60105	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 2 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 -	P60106	×	V	\checkmark

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		Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 2 -> Value	string	Value	P60107	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 2 -> Label	string	Label	P60108	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 2 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60109	×	V	$\overline{\mathbf{v}}$
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 2-> Pickup Code	Sting	Pickup Code	P60110	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 3 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60111	×		V



Function Keys->EXP KEY -> Expansion1 -> page2 ->key 3 -> Value	string	Value	P60112	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 3 -> Label	string	Label	P60113	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 3 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60114	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 3-> Pickup Code	Sting	Pickup Code	P60115	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 4 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60116	×	V	
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 4 -> Value	string	Value	P60117	×		\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 4 -> Label	string	Label	P60118	×	\checkmark	V

i El Htek		Parameter List				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 4 ->	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60119	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 4-> Pickup Code	Sting	Pickup Code	P60120	×	√	√
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 5 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60121	×	~	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 5 ->-> Value	string	Value	P60122	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 5 -> Label	string	Label	P60123	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 5 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60124	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 5-> Pickup Code	Sting	Pickup Code	P60125	×	V	\checkmark

l -ltek		Parameter List				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 6 -> Type	Number: 0-47	Parameter List Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 –	P60126	×		
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 6 ->	string	Value	P60127	×	1	√
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 6 -> Label	string	Label	P60128	×	N	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 6 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60129	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 6-> Pickup Code	Sting	Pickup Code	P60130	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 7 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML	P60131	×	1	V

l _ l - l tek		Parameter List				
		Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 7 -> Value	string	Value	P60132	×	N	N
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 7 -> Label	string	Label	P60133	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 7 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60134	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 7-> Pickup Code	Sting	Pickup Code	P60135	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 8 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group	P60136	×	√	V

i zi -i tek		Parameter List				
		Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 8 -> Value	string	Value	P60137	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 ->page2 -> key 8 -> Label	string	Label	P60138	×	V	N
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 8 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60139	×	V	N
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 8-> Pickup Code	Sting	Pickup Code	P60140	×	V	N
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 9 -> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60141	×		
Function Keys->EXP KEY -> Expansion1	string	Value	P60142	×	\checkmark	√
-> pagez ->key 9 ->						

.



Value						
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 9 -> Label	string	Label	P60143	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 9 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60144	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 9-> Pickup Code	Sting	Pickup Code	P60145	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 10-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60146	×	V	N
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 10 -> Value	string	Value	P60147	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 10 -> Label	string	Label	P60148	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 10 ->	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60149	×	\checkmark	\checkmark



Account						
Function Keys->EXP	Sting	Pickup Code	P60150	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 10->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60151	×		
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page2 ->key 11->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frenx, 12 - Local Group, 13				
		- AIVIL GIOUP, 14 - AIVIL Browcor 15 DAB 16				
		BroadSoft Group 17 -				
		Conference 18 - Forward				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60152	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 11 ->						
	a tulua a		D00450			
FUNCTION Keys->EXP	string	Label	P60153	×	γ	γ
r = 1 - 2 = 2						
-> payez ->key 11 ->						
Function Kevs->FXP	Number:0	255 - Auto 0 - Account 1 1	P60154	×		
KEY -> Expansion1	1.2.3.255	- Account 2. 2 - Account 3. 3				
-> page2 ->kev 11 ->	.,_,0,_00	- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60155	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 11->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60156	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page2 ->key 12->		BLF List, 5 - Voicemail, 6 -				

lek		Parameter List				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
Eurotian Kours , EVD	a trica a	URL, 47 - MultiCast Paging)	D00457			
FUNCTION REVS->EXP	string	value	P00157	×	N	N
NET -> Expansion						
	ctring		D60159	~	2	2
KEV -> Expansion1	String	Laber	F00150	*	v	v
-> nage2 ->key 12 ->						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60159	×		\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page2 ->key 12 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60160	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 12->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60161	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page2 ->key 13->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				

l -Itek		Parameter List				
Function Kevs->EXP	string	19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging) Value	P60162	×	√	N
KEY -> Expansion1 -> page2 ->key 13 -> Value	og					,
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 13 -> Label	string	Label	P60163	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 13 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60164	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 13-> Pickup Code	Sting	Pickup Code	P60165	×	V	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 14-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 -	P60166	×		

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		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)	D 00407		1	1
Function Keys->EXP	string	Value	P60167	×	γ	N
KEY -> Expansion1						
-> pagez ->key 14 ->						
	otring		D60169			
KEV > Expansion1	string	Laber	P00100	×	N	N
$ret \rightarrow expansion $						
-> payez ->key 14 ->						
	Number:0	255 - Auto 0 - Account 1 1	P60169	~	2	N
KEV -> Expansion1	1 2 3 255	- Account 2, 2 - Account 3, 3	F00109	^	v	v
-> nage2 ->key 14 ->	1,2,3,233	- Account A				
Function Keve->FXP	Sting	Pickup Code	P60170	×		
KEY -> Expansion1	Oung		1 00170	^	v	v
-> nage2 ->key 14->						
Pickup Code						
Function Keys->FXP	Number [.]	Key Type(0 -N/A 1 - Line 2	P60171	×		
KEY -> Expansion1	0-47	- Speeddial 3 - BLE 4 -	1 00171	^	'	
-> page2 ->kev 15->	0 11	BIEList 5 - Voicemail 6 -				
Type		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom. 10 - DTMF. 11 -				
		Frefix. 12 - Local Group. 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold. 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 –				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60172	×		\checkmark
KEY -> Expansion1	-					
-> page2 ->key 15 ->						
Value						
Function Keys->EXP	string	Label	P60173	×	\checkmark	\checkmark
KEY -> Expansion1						



-> page2 ->key 15 -> Label						
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 15 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60174	×	V	
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 15-> Pickup Code	Sting	Pickup Code	P60175	×	V	
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 16-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60176	×	~	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 16 -> Value	string	Value	P60177	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 16 -> Label	string	Label	P60178	×	\checkmark	
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 16 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60179	×	\checkmark	
Function Keys->EXP KEY -> Expansion1	Sting	Pickup Code	P60180	×	\checkmark	\checkmark



-> page2 ->key 16->						
Pickup Code						
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 17-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)	P60181	×		V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 17 -> Value	string	Value	P60182	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 17 -> Label	string	Label	P60183	×	\checkmark	V
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 17 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60184	×	V	
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 17-> Pickup Code	Sting	Pickup Code	P60185	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 18-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 -	P60186	×	\checkmark	V

l -Itek		Parameter List				
		Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 - Record, 26 - URL Record, 27 – Paging, 28 - Group Listening, 29 - Public Hold, 30 - Private Hold, 31 - Shine Line, 32 - Hot Desking, 33 - ACD, 34 - Zero Touch, 35 – URL, 47 - MultiCast Paging)				
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 18 -> Value	string	Value	P60187	×	\checkmark	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 18 -> Label	string	Label	P60188	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 18 -> Account	Number:0, 1,2,3,255	255 - Auto, 0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4	P60189	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 18-> Pickup Code	Sting	Pickup Code	P60190	×	V	\checkmark
Function Keys->EXP KEY -> Expansion1 -> page2 ->key 19-> Type	Number: 0-47	Key Type(0 -N/A, 1 - Line, 2 - Speeddial, 3 - BLF, 4 - BLF List, 5 - Voicemail, 6 - Direct Pickup, 7 - Group Pickup, 8 - Call Park, 9 - Intercom, 10 - DTMF, 11 - Frefix, 12 - Local Group, 13 - XML Group, 14 - XML Browser, 15 - LDAP, 16 - BroadSoft Group, 17 - Conference, 18 - Forward, 19 - Transfer, 20 – Hold, 21 - DND, 22 - Redial, 23 - Call Return, 24 – SMS, 25 -	P60191	×	N	N

		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)				
Function Keys->EXP	string	Value	P60192	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 19 ->						
Value						
Function Keys->EXP	string	Label	P60193	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 19 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60194	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page2 ->key 19 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60195	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 19->						
Pickup Code						
Function Keys->EXP	Number:	Key Type(0 -N/A, 1 - Line, 2	P60196	×	\checkmark	\checkmark
KEY -> Expansion1	0-47	- Speeddial, 3 - BLF, 4 -				
-> page2 ->key 20->		BLF List, 5 - Voicemail, 6 -				
Туре		Direct Pickup, 7 - Group				
		Pickup, 8 - Call Park, 9 -				
		Intercom, 10 - DTMF, 11 -				
		Frefix, 12 - Local Group, 13				
		- XML Group, 14 - XML				
		Browser, 15 - LDAP, 16 -				
		BroadSoft Group, 17 -				
		Conference, 18 - Forward,				
		19 - Transfer, 20 – Hold, 21				
		- DND, 22 - Redial, 23 -				
		Call Return, 24 – SMS, 25 -				
		Record, 26 - URL Record,				
		27 – Paging, 28 - Group				
		Listening, 29 - Public Hold,				
		30 - Private Hold, 31 - Shine				
		Line, 32 - Hot Desking, 33 -				
		ACD, 34 - Zero Touch, 35 -				
		URL, 47 - MultiCast Paging)				
Function Kevs->EXP	string	Value	P60197	×		



KEY -> Expansion1						
-> page2 ->key 20 ->						
Value						
Function Keys->EXP	string	Label	P60198	×	\checkmark	\checkmark
KEY -> Expansion1						
-> page2 ->key 20 ->						
Label						
Function Keys->EXP	Number:0,	255 - Auto, 0 - Account 1, 1	P60199	×	\checkmark	\checkmark
KEY -> Expansion1	1,2,3,255	- Account 2, 2 - Account 3, 3				
-> page2 ->key 20 ->		- Account 4				
Account						
Function Keys->EXP	Sting	Pickup Code	P60200	×		\checkmark
KEY -> Expansion1						
-> page2 ->key 20->						
Pickup Code						
You can connect up to	six UC40, Pa	rameters P60001 – P60200 is	the detail of			
Expansion 1(the first U	C40). You car	n configure other UC40 refer to)			
Expansion1.						
Expansion1 P60001 -	P60200					
Expansion2 P60201 -	P60400					
Expansion3 P60401 -	P60600					
Expansion4 P60601 -	P60800					
Expansion5 P60801 –	P61000					
Setting->Preference->	Number:0-	Web Language (0 -English.1	P2525		\checkmark	
Web Language	10	-French,2 -German,3				
		-Spanish.4 -Portuguese.5				
		-Russian,6 -Italian,				
		7-Polish,8-Turkish,				
		9 -ChineseSimplified.10				
		-Chinese Traditional)				
Setting->LCD	Number:0-	Web Language (0 -English,1	P9261		\checkmark	
Language	16	-French.2 -German.3				
	_	-Spanish.4 -Portuguese.5				
		-Russian.6 -Italian.				
		7-Polish.8-Turkish.				
		9-Serbian.10Chinese				
		Simplified.				
		11–ChineseTraditional 12-SI				
		ovenian, 13-Farsi, 14-Hebrew,				
		15-Slovak.16-Czech)				
Setting->Preference-	Number:0	Keypad DTMF Tone (0 - on	P1300			
> Keypad DTMF	1	1 - off)				,
Tone						
Setting->Preference-	Number:0	Hands free AGC 0 –	P5			
> Hands from AGC	1	Disable 1 - Enable	_			

lek		Parameter List				
Setting->Preference- > Volume Amplification-> Handset Send Volume	Number:0- 6	HandSet Send Volume (0 - 0dB default, 1 - +6dB, 2 - +4dB, 3 - +2dB, 42dB, 5 - -4dB, 66dB)	P20083	V	V	N
Setting->Preference- > Volume Amplification-> HeadSet Send Volume	Number:0- 6	HeadSet Send Volume (0 - 0dB default, 1 - +6dB, 2 - +4dB, 3 - +2dB, 42dB, 5 - -4dB, 66dB)	P20084	V	V	N
Setting->Preference- > Volume Amplification-> HandFree Send Volume	Number:0- 6	Hands Free Send Volume (0 - 0dB default, 1 - +6dB, 2 - +4dB, 3 - +2dB, 42dB, 5 4dB, 66dB)	P249	V	V	V
Setting->Preference- > Backlight Time	Number	In seconds, 0 means never backlight is 0 second	P8683	×	\checkmark	\checkmark
Setting->Preference- > Screen Time Out	Number:0- 5	Screen Time Out (0 - Off, 1 - 1min, 2 - 2min, 3 - 5min, 4 - 10min, 5 - 30min)	P8940	\checkmark	V	
Setting->Preference- > Expansion screensaver time	Number:0- 6	Expansion screensaver time. 1 – 1 min, 2 – 5 min, 3 – 10 min, 4 – 20 min, 5 – 30 min, 6 – 60 min	P40004	×	V	\checkmark
Setting->Preference- > Text Logo	Sting	it will work when screensaver type is time & logo or logo only, and ';' represents the newline	P8951	V	V	V
Setting->Preference- > ScreenSaver Type	Number:0- 4	ScreenSaver Type (0 - time & logo, 1 - photo switch,2 - ScreenSaver Photo1,3 -ScreenSaver Photo2,4 -ScreenSaver Photo3)	P8950	V	N	V
Setting->Preference- > Ring Tones	Number:0- 8	Ring Tones # 0 - default, 1 - Ring1.bin, 2 - Ring2.bin # 3 - Ring3.bin, 4 - Ring4.bin, 5 - Ring5.bin # 6 - Ring6.bin, 7 - Ring7.bin, 8 - Ring8.bin	P8721	V	V	V
Setting->Preference- > NO Key Entry Timeout	Number	NO Key Entry Timeout (in seconds, 0 means never timeout, default is 0 seconds)	P85	V	V	\checkmark
Setting->Preference-	Number	Dial-now Time-out	P1085	\checkmark	\checkmark	\checkmark



				_		
> Dial-now Time-out		(seconds) (in seconds,				
		Interval for DialNow, default				
		is 0 seconds)				
Setting->Preference-	Number:0,	LED Status. Power Status	P3734	\checkmark	\checkmark	\checkmark
> LED Status Setting	1	(0 - no, 1 – yes)				
-> Power Status						
Setting->Preference-	Number:0,	LED Status. Ringing Status	P3735	\checkmark	\checkmark	\checkmark
> LED Status Setting	1	(0 - no, 1 – yes)				
-> Ringing Status						
Setting->Preference-	Number:0,	LED Status. Miscalls	P3736	\checkmark	\checkmark	\checkmark
> LED Status Setting	1	Status.0 - no, 1 - yes				
->Miscalls Status						
Setting->Preference-		Voice Message Status. 0 –	P20082		\checkmark	\checkmark
> LED Status Setting		no, 1 - yes				
-> Voice Message						
Status						
Setting->Preference-	Number:0,	Incoming Call Show Mode	P8672	\checkmark	\checkmark	\checkmark
> Incoming Call Show	1	(0 - Peer Name & Peer				
Mode		Number 1 - Peer Name &				
		Peer Number & Self Name)				
Setting->Preference-	Number:0.	Watch Dog Enable (0 - Off.2	P8680			
> Watch Dog Enable	2	- On)				
Setting->Preference-	String	Information of User Agent	P40000		\checkmark	\checkmark
> Customer Set User	5	gradient gradient gradient				
Agent						
Setting->Preference-	Number:0.	Display Mode (0 - Icon	P2532	×		
> Display Mode	1	Mode 1 - Text Mode)				
Setting->Preference-	Number:0-	Wallpaper (0 -Wallpaper 1.1	P8660	×		
> Wallpaper	5	-Wallpaper 2.2 -Wallpaper				
	•	3.3 -Wallpaper 4.4				
		-Wallpaper 5.5 -Wallpaper				
		6)				
Setting->Preference-	Number:0	Dial First Digit (0 -	P20018			
>Dial First Digit	1	Screensaver Wakes up 1	1 20010	•		
		-Screensaver Wakes up				
		and Dial)				
Setting->Preference-	Number:0	Refresh Caller Id Via	P20017			
Setting->1 Telefence-	1	Contact (Ω - Disable 1 -	1 20017	ľ		v
Via Contact		Enable)				
Sotting > Proference	Numberio	Hoodeot Priority (0	D20010	1	1	1
> Hoodoot Driarity		Disable 1 Enchles	F20019	Ň	N	N
> THEAUSEL FILOTILY	I Number:0	Disable, I - Ellable)	D 20020	1		
Setting->Preference-	Number:0,		P20020	Ň	Ň	N
> Kinger Device for	1,∠					
Headset		Headset), 2 – Speaker &				
		Headset			1	


Setting->Preference-	Number:0,	Redial Mode (0 - Direct	P20073	\checkmark		
> Redial Mode	1	Mode,1 - Select Mode)				
Setting->Preference-	Number:0,	Intercom Barge (If the	P20074	\checkmark		
> Intercom Barge	1	option is enable, when there				
		is an active call and then				
		incoming an intercom call,				
		Old call will be Hold and				
		Answer new call directly).0 -				
		off, 1 - on				
Setting->Preference-	Number:0,	Show Missed Calls. 0 – yes,	P20075	\checkmark		
> Show Missed Calls	1	1 - no				
Setting->Preference-	Number:0,	Suppress DTMF Display (1	P20116	\checkmark	\checkmark	
> Suppress DTMF	1	- on, 0 - off)				
Display						
Setting->Preference-	Number:0,	Suppress DTMF Display	P20117	\checkmark	\checkmark	
> Suppress DTMF	1	Delay (1 - on, 0 - off)				
Display Delay						
Setting->Preference-	Number:0,	Voice Mail Tone (1 - off, 0 -	P20118	\checkmark	\checkmark	
>Voice Mail Tone	1	on)				
Setting->Preference-	Number:	Busy Tone Timer (0~5s)	P56203	\checkmark	\checkmark	
>Busy Tone Timer	0~5s					
(0~5s)						
Setting->Preference-	Number:	Auto Logout Time (1 ~ 5000	P23126	\checkmark	\checkmark	\checkmark
>Auto Logout Time (1	1 ~ 5000	min)				
~ 5000 min)	min					
Setting->Preference-	Number:0,	Zero Touch Type.0 –	P20934	\checkmark	\checkmark	\checkmark
>Zero Touch Type	1	normal, 1 - EHS				
Setting->Preference-	Number:0,	Three Way Call Release	P20935	\checkmark	\checkmark	\checkmark
>Three Way Call	1	Type.0 – Hung Up, 1 -				
Release Type		Transfer				
Setting->Preference-	Number:0,	Detect IP Conflict. 0 –	P20943	\checkmark	\checkmark	\checkmark
>Detect IP Conflict	1	Disable, 1 - Enable				
Setting->Preference-	Number:0,	SpeedDial Detect Digitmap.	P20982	\checkmark	\checkmark	\checkmark
>SpeedDial Detect	1	0 – Disable, 1 – Enable				
Digitmap		If set to Enable, Speed Dial				
		/ BLF will match to the digit				
		map				
Setting->Preference-	Number:0-	Check-Syn with	P20983	\checkmark	\checkmark	\checkmark
>Check-Syn with	20	Authenticate. O – Disable, 1				
Authenticate		– Enable				
		If set to Enable, the SIP				
		NOTIFY Event Check_sync				
		will be authenticated				
Setting->Preference-		LCD Gray Level. 0 – 1, 1 –	P20994	\checkmark	×	×
>LCD Gray Level		2, 2 - 3, 3 - 4, 4 - 5, 5 - 6, 6				



		-7,7-8,8-9,9-10,10-				
		11, 11 – 12, 12 – 13, 13 –				
		14, 14 – 15,15 – 16, 16 –				
		17,17 – 18, 18 – 19,19 - 20				
Setting->Feature->Fo	Number:0.	Always Forward (1 - on. 0 -	P53100		\checkmark	\checkmark
rward-> Always	1	off)				
Setting->Feature->Fo	String	Target (Target number for	P53101			
rward-> Always ->	Ounig	transfer)	1 00101	, i i i i i i i i i i i i i i i i i i i	•	,
Torgot						
	Ctrin a	On Code	D52402			
Setting->Feature->Fo	Sung	On Code	P53102	N	N	N
rward-> Always -> On						
Code				1	1	1
Setting->Feature->Fo	String	Off Code	P53103	N	N	N
rward-> Always -> Off						
Code						
Setting->Feature->Fo	Number:0,	Busy Always Forward (1 -	P53110	\checkmark	\checkmark	\checkmark
rward-> Busy	1	on, 0 - off)				
Setting->Feature->Fo	String	Target (Target number for	P53111	\checkmark	\checkmark	\checkmark
rward-> Busy ->		transfer)				
Target						
Setting->Feature->Fo	String	On Code	P53112		\checkmark	\checkmark
rward-> Busy -> On	0					
Code						
Setting->Feature->Fo	String	Off Code	P53113		\checkmark	\checkmark
rward-> Busy -> Off	5					
Code						
Setting->Feature->Fo	Number:0	No Answer (1 - on 0 - off)	P53120			
rward-> No Answer	1		1 00120		`	
Setting->Feature->Fo	Number	After Ring Time(seconds)	P53124	2	N	N
rward-> No Answor	Number	(waiting time for No Answer	1 33124	v	v	v
After Ding Time		(waiting time for No Answer				
-> Alter Ring Time	Otalia a		DEGAGA			
Setting->Feature->Fo	String	larget (larget number for	P53121	N	N	N
rward-> No Answer		transfer)				
-> larget					1	1
Setting->Feature->Fo	String	On Code	P53122	\checkmark	\checkmark	\checkmark
rward-> No Answer						
-> On Code						
Setting->Feature->Fo	String	Off Code	P53123	\checkmark	\checkmark	\checkmark
rward-> No Answer						
-> Off Code						
Setting->Feature->D	String	DND On Code (The feature	P53200			\checkmark
o Not Disturb-> DND		code to enable DND, the				
On Code		phone will send the feature				
		code directly too open				
		DND)				



Setting->Feature->D o Not Disturb-> DND	String	DND Off Code (The feature code to disable DND, the	P53201	V	\checkmark	V
Off Code		code directly too close DND)				
Setting->Feature->D o Not Disturb->	Number	Authorized Numbers (comma separated)	P53202	V	\checkmark	\checkmark
Authorized Numbers						
Setting->Feature->H otline-> Hotline	String	Hotline Number	P4210	\checkmark	\checkmark	\checkmark
Number						
Setting->Feature->H otline-> Hotline Time-out	Number	Hotline Time-out (seconds) (0~180s)	P8638	\checkmark	V	\checkmark
Setting->Feature->	Number:0.	Blind Transfer On Hook (0 -	P3201			
Transfer Settings-> Blind Transfer On Hook	1	off, 1 - on)				
Setting->Feature->	Number:0.	Semi-Attended Transfer (0 -	P3202		\checkmark	
Transfer Settings->	1	off. 1 - on)				
Semi-Attended	-					
Transfer						
Setting->Feature->	Number:0,	Attended Transfer On Hook	P3204		\checkmark	
Transfer Settings->	1	(0 - off, 1 - on)				
Attended Transfer On						
Hook						
Setting->Feature->	Number:0,	Transfer Mode via DSSkey	P3205	\checkmark	\checkmark	\checkmark
Transfer Settings->	1,2	(0 - Attended Transfer, 1 -				
Transfer Mode via		Blind Transfer, 2 - New Call)				
DSSkey						
Setting->Feature->	Number:0,	Hold Transfer On Hook (1 -	P3207	\checkmark	\checkmark	\checkmark
Transfer Settings->	1	On,0 - Off)				
Hold Transfer On						
Hook						
Setting->Feature->C	Number:0,	Direct Call Pickup (0 - off, 1	P4701	\checkmark	\checkmark	\checkmark
all Pickup-> Direct	1	- on)				
Call Pickup						
Setting->Feature->C	String	Direct Call Pickup Code	P4745	\checkmark	\checkmark	\checkmark
all Pickup-> Direct						
Call Pickup Code						
Setting->Feature->C	Number:0,	Group Call Pickup (0 - off, 1	P4702	\checkmark	\checkmark	\checkmark
all Pickup-> Group	1	- on)				
Call Pickup						<u> </u>
Setting->Feature->C	String	Group Call Pickup Code	P4746	\checkmark	\checkmark	\checkmark
all Pickup-> Group						



Call Pickup Code						
Setting->Feature->C	Number:0,	Visual Alert for BLF Pickup	P4703	\checkmark	\checkmark	\checkmark
all Pickup-> Visual	1	(0 - off, 1 - on)				
Alert for BLF Pickup						
Setting->Feature->C	Number:0,	Audio Alert for BLF Pickup	P4704	\checkmark	\checkmark	\checkmark
all Pickup-> Audio	1	(0 - off, 1 - on)				
Alert for BLF Pickup						
Setting->Feature->	Number:0-	Keypad Lock (0 - Disabled,	P8630	\checkmark	\checkmark	\checkmark
Phone Lock->Keypad	4	1 - All Keys, 2 - Menu Key 3				
Lock		- Function Keys, 4 - Answer				
		All Only)				
Setting->Feature->	Spring	Phone Unlock Pin	P5730		\checkmark	\checkmark
Phone Lock-> Phone						
Unlock Pin						
Setting->Feature->	Number	Auto Lock Time-Out	P5731	\checkmark	\checkmark	\checkmark
Phone Lock-> Auto						
Lock Time-Out					1	1
Setting->Feature->	String	Emergency	P5732	N	N	N
Phone Lock->						
Emergency			.	1	1	1
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Valting Tone	Otaria a		D4000			
Setting->Feature->	String	Alert Ring Text 1	P1399	N	N	N
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Sotting > Footure >	Numbor:0	Alort Ping File 1/0 Default	D1402	2	2	2
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		$- \operatorname{Ping} 6 \operatorname{hin} 7 - \operatorname{Ping} 7 \operatorname{hin}$				
		8 - Ring 8 - Ring 8 - Ring 7				
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Ring File 2		2.bin. 3 - Ring 3 bin. 4 -				
		Ring 4.bin. 5 - Ring 5.bin 6				
		- Ring 6.bin, 7 - Ring 7.bin.				
		8 - Ring 8.bin.)				
Setting->Feature->	String	Alert Ring Text 3	P1401	\checkmark	\checkmark	\checkmark



Alert Ring-> Alert						
Ring Text 3				,		,
Setting->Feature-> Alert Ring-> Alert Ring File 3	Number:0- 8	Alert Ring File 3(0 - Default, 1 - Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)	P1404	V	V	\checkmark
Setting->Feature-> Alert Ring-> Alert Ring Text 4	String	Alert Ring Text 4	P20059	\checkmark	\checkmark	\checkmark
Setting->Feature-> Alert Ring-> Alert Ring File 4	Number:0- 8	Alert Ring File 4(0 - Default, 1 - Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)	P20066	V	V	V
Setting->Feature-> Alert Ring-> Alert Ring Text 5	String	Alert Ring Text 5	P20060	V	\checkmark	\checkmark
Setting->Feature-> Alert Ring-> Alert Ring File 5	Number:0- 8	Alert Ring File 5(0 - Default, 1 - Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)	P20067	V	V	\checkmark
Setting->Feature-> Alert Ring-> Alert Ring Text 6	String	Alert Ring Text 6	P20061	\checkmark	\checkmark	\checkmark
Setting->Feature-> Alert Ring-> Alert Ring File 6	Number:0- 8	Alert Ring File 6(0 - Default, 1 - Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)	P20068	V	V	V
Setting->Feature-> Alert Ring-> Alert Ring Text 7	String	Alert Ring Text 7	P20062		√	
Setting->Feature-> Alert Ring-> Alert Ring File 7	Number:0- 8	Alert Ring File 7(0 - Default, 1 - Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)	P20069	V	V	V
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Ring File 82.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)P20064VVVSetting->Feature-> Alert Ring 7xt 9String Alert Ring 7xt 9Alert Ring Text 9P20064VVVVSetting->Feature-> Alert Ring-> Alert Ring 7xt 9Number:0- 8Alert Ring Tiel 9(0 - Default, P. Ring 1.bin, 2 - Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)P20064VVVVSetting->Feature-> Alert Ring-> Alert Ring 7xt 10Number:0- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)Alert Ring Text 10P20065VVVVSetting->Feature-> Alert Ring-> Alert Ring 7xt 10Number:0- Ring 2.bin, 3 - Ring 3.bin, 4 - Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 4.bin, 5 - Ring 3.bin, 4 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring T.bin, 8 - Ring 8.bin,)VVVVSetting->Feature-> Auto RedialNumber:0, 1 - On Auto RedialAuto Redial 1 - 300SP56205VVVVSetting->Feature-> Auto RedialNumber: 1 - 300SAuto Redial Times (1~300)P56206VVVVSetting->Feature-> Auto RedialNumber: 1 - 300S </td <td>Setting->Feature-> Alert Ring-> Alert</td> <td>Number:0- 8</td> <td>Alert Ring File 8(0 - Default, 1 - Ring 1.bin, 2 - Ring</td> <td>P20070</td> <td>V</td> <td>\checkmark</td> <td>\checkmark</td>	Setting->Feature-> Alert Ring-> Alert	Number:0- 8	Alert Ring File 8(0 - Default, 1 - Ring 1.bin, 2 - Ring	P20070	V	\checkmark	\checkmark
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- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 8.bin,)- Ring 4.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 5.bin, 6 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 7.bin, 8 - Ring 8.bin,)- Ring 4.bin, 5 - Ring 7.bin, 8 - Ring 7.bin,	Ring File 10		Ring 2.bin, 3 - Ring 3.bin, 4				
6 - Ring 6.bin, 7 - Ring 7.bin, 8 - Ring 8.bin,)Image: marked base in the string and the string			- Ring 4.bin, 5 - Ring 5.bin,				
Setting->Feature-> Auto RedialNumber:0, 1Auto Redial. 0 – Off, 1 - On P56204P56204VVVAuto Redial1			6 - Ring 6.bin, 7 - Ring				
Setting->Feature-> Auto RedialNumber:0, 1Auto Redial. 0 - Off, 1 - On P56204P56204√√√Auto Redial -> Auto Redial1Auto Redial Interval (1~300s)P56205√√√Setting->Feature-> Auto Redial Interval (1~300s)1~300s(1~300s)P56206√√√Setting->Feature-> Auto RedialNumber: 1~300Auto Redial Times (1~300)P56206√√√Setting->Feature-> Auto Redial Times (1~300)Number: 1~300Auto Redial Times (1~300)P56206√√√Setting->Feature-> Auto Redial Times (1~300)Callback CodeP20984√√√Setting->Feature-> Auto RedialStringCallback CodeP20984√√√			7.bin, 8 - Ring 8.bin,)		,		
Auto Redial11Image: Constraint of the second seco	Setting->Feature->	Number:0,	Auto Redial. 0 – Off, 1 - On	P56204	\checkmark	\checkmark	\checkmark
-> Auto Redial Image: Setting->Feature-> Number: Auto Redial Interval P56205 √ √ √ Auto Redial 1~300s (1~300s) Image: Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Auto Redial 1~300 Image: Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Setting->Feature-> String Callback Code P20984 √ √ √ Setting->Feature-> String Callback Code P20984 √ √ √ Auto Redial ->Callback-> - - - - - - ->Callback-> - - - - - - - - - -	Auto Redial	1					
Setting->Feature-> Number: Auto Redial Interval (1~300s) 1~300s (1~300s) Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Auto Redial 1~300 1~300 P56206 √ √ √ √ Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ √ Auto Redial 1~300 1~300 - P20984 √ √ √ Setting->Feature-> String Callback Code P20984 √ √ √ Auto Redial - - - - - - - - Setting->Feature-> String Callback Code P20984 √ √ √ Auto Redial - <td>-> Auto Redial</td> <td>Number</td> <td>Auto Dodiol Intorvol</td> <td>DECODE</td> <td></td> <td></td> <td></td>	-> Auto Redial	Number	Auto Dodiol Intorvol	DECODE			
->Auto Redial Interval (1~300s) 1~300s 1~300 1~300 P56206 √ √ √ Setting->Feature-> Auto Redial Number: 1~300 Auto Redial Times (1~300) P56206 √ √ √ Setting->Feature-> (1~300) 1~300 Callback Code P20984 √ √ √ Setting->Feature-> Auto Redial string Callback Code P20984 √ √ √	Auto Redial		Auto Regiai Interval $(1_{2}300c)$	F30205	N	N	N
(1~300s) Number: Auto Redial Times (1~300) P56206 √ √ √ Auto Redial 1~300 1~300 P56206 √ √ √ ->Auto Redial Times 1~300 Callback Code P20984 √ √ √ Setting->Feature-> String Callback Code P20984 √ √ √ Auto Redial ->Callback-> -> </td <td>->Auto Redial Interval</td> <td>1~5005</td> <td>(1~0003)</td> <td></td> <td></td> <td></td> <td></td>	->Auto Redial Interval	1~5005	(1~0003)				
Setting->Feature-> Number: Auto Redial Times (1~300) P56206 √ √ √ Auto Redial 1~300 1~300 1~300 1 √ √ √ ->Auto Redial Times 1~300 2 2 √ √ √ √ (1~300) Setting->Feature-> string Callback Code P20984 √ √ √ Auto Redial ->Callback-> -> - - - - -	(1~300s)						
Auto Redial ->Auto Redial Times (1~300)1~3001~300Image: Constraint of the second se	Setting->Feature->	Number:	Auto Redial Times (1~300)	P56206		\checkmark	\checkmark
->Auto Redial Times Image: Constraint of the second s	Auto Redial	1~300					
(1~300)Image: Callback CodeP20984√√√Setting->Feature-> Auto Redial ->Callback->Callback CodeP20984√√√	->Auto Redial Times						
Setting->Feature-> string Callback Code P20984 √ √ √ Auto Redial ->Callback-> ->	(1~300)						
Auto Redial ->Callback->	Setting->Feature->	string	Callback Code	P20984	\checkmark	\checkmark	\checkmark
->Callback->	Auto Redial						
	->Callback->						
	Callback Code	N1 1		Doooor	1	1	1
Setting > BLF INUMBER: BLF Selected Type. $U = P20085$ V V V	Settings ->BLF		BLF Selected Type. 0 -	P20085	N	N	N
Selected Type	Selected Type	0,1					
Setting->BLF Number: Current Call Status $0 - Idle P20086$ $\sqrt{1}$	Setting->BLF	Number:	Current Call Status 0 – Idle	P20086			

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Settings->Index 1->Current Call Status	0-6	1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line				
Setting->BLF Settings->Index 1-> BLF Status Text	string	BLF Status Text= terminated	P20096	\checkmark	V	\checkmark
Setting->BLF Settings->Index 1->BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20106	V	V	√
Setting->BLF Settings->Index 2->Current Call Status	Number: 0-6	Current Call Status .0 – Idle, 1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line	P20087	V	\checkmark	\checkmark
Setting->BLF Settings->Index 2-> BLF Status Text	string	BLF Status Text= early	P20097	\checkmark	\checkmark	\checkmark
Setting->BLF Settings->Index 2->BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20107	~	V	V
Setting->BLF Settings->Index 3->Current Call Status	Number: 0-6	Current Call Status .0 – Idle, 1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line	P20088	V	~	V
Setting->BLF Settings->Index 3-> BLF Status Text	string	BLF Status Text= confirmed	P20098	V	\checkmark	\checkmark
Setting->BLF Settings->Index	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid	P20108			



3>BLF Led Mode		Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s				
Setting->BLF Settings->Index 4->Current Call Status	Number: 0-6	Current Call Status .0 – Idle, 1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line	P20089	V	V	\checkmark
Setting->BLF Settings->Index 4-> BLF Status Text	string	BLF Status Text= confirmed	P20099	V	\checkmark	V
Setting->BLF Settings->Index 4>BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20109	V	N	\checkmark
Setting->BLF Settings->Index 5->Current Call Status	Number: 0-6	Current Call Status .0 – Idle, 1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line	P20090	V	N	\checkmark
Setting->BLF Settings->Index 5-> BLF Status Text	string	BLF Status Text= confirmed	P20100	\checkmark	\checkmark	\checkmark
Setting->BLF Settings->Index 5>BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20110	V	N	1
Setting->BLF	Number:	Current Call Status .0 - Idle,	P20091	\checkmark		

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Settings->Index 6->Current Call Status	0-6	1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line				
Setting->BLF Settings->Index 6-> BLF Status Text	string	BLF Status Text= confirmed	P20101	\checkmark	V	V
Setting->BLF Settings->Index 6>BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20111	V	V	V
Setting->BLF Settings->Index 7->Current Call Status	Number: 0-6	Current Call Status .0 – Idle, 1 – Incoming call, 2 – Dialing, 3 – Talking, 4 – Hold, 5 – Parked, 6 – Off line	P20092	V	V	\checkmark
Setting->BLF Settings->Index 7-> BLF Status Text	string	BLF Status Text= unknown	P20102	\checkmark	\checkmark	\checkmark
Setting->BLF Settings->Index 7>BLF Led Mode	Number: 0-10	BLF Led Mode. 0 – Led Off, 1 – Solid Red, 2 – Solid Green, 3 – Flashing Red 1s, 4 – Flashing Red 0.5s, 5 – Flashing Red 0.2s, 6 – Flashing Red 0.1s, 7 – Flashing Green 1s, 8 – Flashing Green 0.5s, 9 – Flashing Green 0.2s, 10 – Flashing Green 0.1s	P20112	~	~	V
Setting->Date&time-> DHCP Time	Number:0, 1	DHCP Time (0 - no, 1 - yes)	P143	\checkmark	\checkmark	\checkmark
Setting->Date&time-> Time Zone	Number	Time Zone #10511 Samoa, 110 United States-Hawaii-Aleutian # 210 United States-Alaska-Aleutian, 3 - -9 United States-Alaska Time	P64	V	V	V

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	# 4 . 8 Canada (Vancouver			
	# 40 Canada (vancouver,			
	(Tijuaria, Mexical)			
	# 6 6 United			
	States-Pacific Time, 77			
	Canada (Edmonton,			
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	g)			
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	# 146 United			
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	Bahamas(Nassau)			
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	# 185 United			
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	-4:30 Venezuela(Caracas)			
	# 204 Canada (Halifax,			
	Saint John), 214			
	Chile(Santiago)			
	# 224			
	Paraguay(Asuncion), 234			
	United			
	Kingdom-Bermuda(Bermud			
	a)			
	# 244 United Kingdom			
	(Falkland Islands), 254			
	Trinidad & Tobago			
	# 263:30 Canada-New			
	Found land (St. Johns), 27 -			
	-3			
	Denmark-Greenland(Nuuk)			
	# 283 Argentina (Buenos			
	Aires), 293 Brazil (no			
	DST)			
	# 303 Brazil(DST), 312			
	Brazil (no DST), 321			

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	Portugal(Azores)	
	# 33 - 0 GMT 34 - 0	
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	Denmark-Faroe	
	Islands(Torshavn)	
	# 36 - 0 Ireland(Dublin), 37 -	
	0 Portugal (Lisboa, Porto.	
	Funchal)	
	# 38 - 0 Spain-Canary	
	Islands (Las Palmas), 39 - 0	
	United Kingdom(London)	
	# 40 - 0 Morocco, 41 - +1	
	Albania(Tirane),42 - +1	
	Austria(Vienna)	
	# 43 - +1	
	Belgium(Brussels), 44 - +1	
	Caicos, 45 - +1 Chatam	
	# 46 - +1 Croatia(Zagreb),	
	47 - +1 Czech	
	Republic(Prague)	
	# 48 - +1	
	Denmark(Kopenhaven), 49	
	- +1 France(Paris), 50 - +1	
	Germany(Berlin)	
	# 51 - +1	
	Hungary(Budapest), 52 - +1	
	Italy(Rome), 53 - +1	
	Luxembourg(Luxembourg)	
	# 54 - +1	
	Makedonia(Skopje), 55 - +1	
	Netherlands(Amsterdam),	
	56 - +1 Poland(Warsaw),	
	Serbia(Belgrade)	
	# 57 - +2 Estonia(Tallinn),	
	58 - +2 Finland(Helsinki), 59	
	- +2 Gaza Strip(Gaza)	
	# 106 - +2 Greece(Athens),	
	61 - +2 Israel (Tel Aviv), 62 -	
	+2 Jordan(Amman)	
	# 63 - +2 Latvia(Riga), 64 -	
	+2 Lebanon(Beirut), 65 - +2	
	Moldova(Kishinev)	
	# 66 - +2	
	Russia(Kaliningrad), 67 - +2	
	Romania(Bucharest), 68 -	
	+2 Syria(Damascus)	

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	# 69 - +2 Turke	v(Ankara)		
	70 - +2 Ukraine			
	Odessa), 71 - +	-3 East Africa		
	Time			
	# 72 - +3 Iraq(E	Baghdad), 73		
	- +3 Russia(Mo	scow), 74 -		
	+3:30 Iran(Tehe	eran)		
	# 75 - +4 Armer	nia(Yerevan),		
	76 - +4 Azerbai	jan(Baku),		
	77 - +4 Georgia	a(Tbilisi)		
	# 78 - +4			
	Kazakhstan(Aq	tau), 79 - +4		
	Russia(Samara	a), 80 - +5		
	Kazakhstan(Aq	tobe)		
	# 81 - +5			
	Kyrgyzstan(Bis	hkek), 82 -		
	+5 Pakistan(Isla	amabad), 83		
	- +5 Russia(Ch	elyabinsk)		
	# 84 - +5:30 Inc	dia(Calcutta),		
	85 - +6 Kazakh	stan		
	(Astana, Almaty	y), 86 - +6		
	Russia (Novosi	birsk, Omsk)		
	# 87 - +7			
	Russia(Krasno)	yarsk), 88 -		
	+7 Thailand(Ba	ingkok), 89 -		
	+8 China(Beijin	ig)		
	# 90 - +8 Singanara(Sing	repore) 01		
	Singapore(Sing	Japore), 91 -		
	+o Australia(Pe	entit), 92 - +9		
	$\# 03 - \pm 0 \text{ lanar}$	(Tokyo) 94		
	+9·30 Australia	(Adelaide)		
	95 - +9:30 Aust	ralia(Darwin)		
	# 96 - +10 Aust			
	(Svdnev, Melbo	purne.		
	Canberra), 97 -	+10		
	Australia(Brisba	ane)		
	# 98 - +10	,		
	Australia(Hoba	rt), 99 - +10		
	Russia(Vladivo	stok), 100 -		
	+10:30 Australi	a (Lord		
	Howe Islands)			
	# 101 - +11 Nev	w		
	Caledonia(Nou	mea), 102 -		
	+12 New Zeela	nd		
	(Wellington, Au	ckland)		



		# 103 - +12:45 New				
		Zeeland (Chatham Islands),				
		104 - +13 Tonga(Nukualofa)				
Setting->Date&time->	Number:0	NTP Server is Covered with	P144			
NTP Server is	1	DHCP (0, no. 1, ves)			,	•
Covered with DHCP						
Sotting > Date 8 time >	String	LIPL or IP address of NTP	D20	2	2	
	Sung	Carver	F30	v	v	v
			Daaaa	1	1	1
Setting->Date&time->	String	URL of IP address of	P9262	N	N	γ
Backup NTP Server		Backup NTP Server		1	1	1
Setting->Date&time->	Number:0,	Daylight Saving Time (0 -	P75	N	N	N
Daylight Saving Time	1,2	disable, 1 –enable, 2-auto)				
Setting->Date&time->	Number:0,	DST Type.0 – Day Type, 1 –	P23117	\checkmark	\checkmark	\checkmark
Enable Daylight	1	Week Type				
Saving Time->DST						
Type->Day Type						
Setting->Date&time->	Number	Month	P20076	\checkmark	\checkmark	\checkmark
Enable Daylight		Day	P20077			
Saving Time->DST		Hour	P20078			
Type->Day Type						
->Start Date->Month,						
Day, Hour						
Setting->Date&time->	Number	Month	P20079	\checkmark	\checkmark	
Enable Daylight		Dav	P20080			
Saving Time>DST		Hour	P20081			
Type->Day						
Type >End						
Date->Month. Dav.						
Hour						
Setting->Date&time->	Number:0	DST Type 0 – Day Type 1 –	P23117			
Enable Davlight	1	Week Type	0			
Saving Time->DST						
Type->Week Type						
Setting->Date&time->	Number	WeekSMonth(1-12) 1 -	P23118	N	2	N
Enable Davlight	Number	1 = 12	P23110	ľ	•	v
		March 4 April 5 May 6	P23120			
Type > Week		1 watch, 4 - April, 5 - way, 6	P23120			
Type->vveek		- Julie, 7 – July, 8 – August,	P23121			
Type->Start week		9 - September, $10 -$				
		October, 11 – November, 12				
		vveekSvveek(1-5).1 – First				
		in month, 2 – Second in				
		month, 3 – Third in month, 4				
		– Fourth in month, 5 – Last				
		in month				

lek		Parameter List					
		WeekSDay(0-6).0 –					
		Sunday, 1 – Monday, 2 –					
		Tuesday, 3 – Wednesday, 4					
		– Thursday, 5 – Friday, 6 -					
		Saturday					
		WeekSHour(0-23). 0 –					
		00:00, 1 - 01:00, 2 – 02:00,					
		3 – 03:00, 4 – 04:00, 5 –					
		05:00, 6 – 06:00, 7 – 07:00,					
		8 – 08:00, 9 – 09:00, 10 –					
		10:00, 11 – 11:00, 12 –					
		12:00, 13 – 13:00, 14 –					
		14:00, 15 – 15:00, 16 –					
		16:00, 17 – 17:00, 18 –					
		18:00, 19 – 19:00, 20 –					
		20:00, 21 – 21:00, 22 –					
		22:00					
Setting->Date&time->	Number	WeekEMonth(1-12) .1 –	P23122	\checkmark	\checkmark	\checkmark	
Enable Daylight		January, 2- February, 3 –	P23123				
Saving Time->DST		March, 4 – April, 5 – May, 6	P23124				
Type->Week		– June, 7 – July, 8 – August,	P23125				
Type->End Week		9 – September, 10 –					
		October,11 – November, 12					
		- December					
		WeekEWeek(1-5) .1 – First					
		in month, 2 – Second in					
		month, 3 – Third in month, 4					
		 Fourth in month, 5 – Last 					
		in month					
		WeekEDay(0-6) .0 –					
		Sunday, 1 – Monday, 2 –					
		Tuesday, 3 – Wednesday, 4					
		– Thursday, 5 – Friday, 6 -					
		Saturday					
		WeekEHour(0-23). 0 –					
		00:00, 1 - 01:00, 2 - 02:00,					
		3 – 03:00, 4 – 04:00, 5 –					
		05:00, 6 – 06:00, 7 – 07:00,					
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		14:00, 15 – 15:00, 16 –					
		16:00, 17 – 17:00, 18 –					
		18:00, 19 – 19:00, 20 –					
		20:00, 21 – 21:00, 22 –					
		22:00]
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Setting->Date&time->	Number:0,	Time Format.0 – 24hour 1 –	P9264		\checkmark	\checkmark
Time Format	1	12hour				
Setting->Date&time->	Number:	Date Display Format	P102		\checkmark	\checkmark
Date Display	0,1,2	0 Year - Month - Day				
Format		1 Month - Day - Year				
		2 Day - Month - Year				
Setting-> Tones->	Number:0-	Select Country (0 - Custom,	P20058	\checkmark	\checkmark	\checkmark
Select Country	28	1 - Australia, 2 - Austria, 3 -				
		Brazil, 4 - Belgium, 5 -				
		China, 6 - Chile,7 - Czech,8				
		- Denmark, 9 - Finland,10 -				
		France, 11 - Germany, 12 -				
		Great Britain, 13 - Greece,				
		14 - Hungary, 15 -				
		Lithuania, 16 - India, 17 -				
		Italy, 18 - Japan, 19 -				
		Mexico,20 - New Zealand,				
		21 - Netherlands, 22 -				
		Norway, 23 - Portugal,24 -				
		Spain, 25 - Switzerland, 26 -				
		Sweden, 27 - Russia, 28 -				
Cotting . Topos	Ctrin a	Dial Tana	D4000			
Dial Tono	Sung	Syntax: f1_frog@yol	P4000	N	N	N
		f2-frog@vol_c-on1/off1 -				
		$n^2/off_2 - on^3/off_3$				
		freq: FREQUENCY in Hz				
		on1/off1 - on2/off2				
		cadence in Millisecond				
Setting-> Tones->	String	Ringback Tone	P4001			
Ringback Tone	5	Syntax: f1=freg@vol,				
		f2=freq@vol, c=on1/off1 -				
		on2/off2 - on3/off3				
		freq: FREQUENCY in Hz				
		on1/off1 - on2/off2:				
		cadence in Millisecond				
Setting-> Tones->	String	Busy Tone	P4002	\checkmark	\checkmark	\checkmark
Busy Tone		Syntax: f1=freq@vol,				
		f2=freq@vol, c=on1/off1 -				
		on2/off2 - on3/off3				
		freq: FREQUENCY in Hz				
		on1/off1 - on2/off2:				
		cadence in Millisecond		,	,	
Setting-> Tones->	String	Reorder Tone	P4003	\checkmark	\checkmark	\checkmark
Reorder Tone		Syntax: f1=freq@vol,				

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		f2=freq@vol, c=on1/off1 - on2/off2 - on3/off3 freq: FREQUENCY in Hz on1/off1 - on2/off2: cadence in Millisecond				
Setting-> Tones-> Confirmation Tone	String	Confirmation Tone Syntax: f1=freq@vol, f2=freq@vol, c=on1/off1 - on2/off2 - on3/off3 freq: FREQUENCY in Hz on1/off1 - on2/off2: cadence in Millisecond	P4004	V	V	√
Setting-> Tones-> Call Waiting Tone	String	Call Waiting Tone Syntax: f1=freq@vol, f2=freq@vol, c=on1/off1 - on2/off2 - on3/off3 freq: FREQUENCY in Hz on1/off1 - on2/off2: cadence in Millisecond	P4005	V	V	\checkmark
Setting-> SMS->Account	Number:0- 3	SMS (Account.0 - Account 1, 1 - Account 2, 2 - Account 3, 3 - Account 4)	P58100	\checkmark	\checkmark	\checkmark
Setting-> Action URL-> Setup Completed	String	Setup Completed (This message will be sent out when the phone is start-up completed, available for use.)	P3701	V	V	1
Setting-> Action URL-> log On	String	log On (This message will be sent out when an account is successfully registered.)	P3702	V	V	√
Setting-> Action URL-> log Off	String	log Off (This message will be sent out when an account is logged off.)	P3703	V	\checkmark	\checkmark
Setting-> Action URL-> Register Failed	String	Register Failed (This message will be sent out when an account is registered failed.)	P3704	\checkmark	$\overline{\mathbf{A}}$	V
Setting-> Action URL-> Off hook	String	Off hook (This message will be sent out when the phone is off hook.)	P3705	\checkmark	V	\checkmark
Setting-> Action URL-> Onhook	String	Onhook(This message will be sent out when the phone is on hook.)	P3706	V	V	V

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Setting-> Action URL-> Incoming Call	String	Incoming Call (This message will be sent out when there is an incoming call.)	P3707	V	V	V
Setting-> Action URL-> Outgoing Call	String	Outgoing Call (This message will be sent out when there is an outgoing call.)	P3708	√	√	V
Setting-> Action URL-> Call Established	String	Call Established (This message will be sent out when a call is established.)	P3709	~	\checkmark	\checkmark
Setting-> Action URL-> Call Terminated	String	Call Terminated (This message will be sent out when a call is terminated.)	P3710	V	\checkmark	\checkmark
Setting-> Action URL-> Open DND	String	Open DND (This message will be sent out when DND is enabled.)	P3711	\checkmark	\checkmark	\checkmark
Setting-> Action URL-> Close DND	String	Close DND (This message will be sent out when DND is disabled.)	P3712	1	\checkmark	\checkmark
Setting-> Action URL-> Open Always Forward	String	Open Always Forward (This message will be sent out when always-forward is enabled.)	P3713	V	V	V
Setting-> Action URL-> Close Always Forward	String	Close Always Forward (This message will be sent out when always-forward is disabled.)	P3714	V	V	V
Setting-> Action URL-> Open Busy Forward	String	Open Busy Forward (This message will be sent out when busy-forward is enabled.)	P3715	N	V	V
Setting-> Action URL-> Close Busy Forward	String	Close Busy Forward (This message will be sent out when busy-forward is disabled.)	P3716	V	V	V
Setting-> Action URL-> Open No Busy Forward	String	Open No Busy Forward (This message will be sent out when no-answer-forward is enabled.)	P3717	V	V	V
Setting-> Action URL-> Close No Busy Forward	String	Close No Busy Forward (This message will be sent out when no-answer-forward is	P3718	V	V	V



		disable.)				
Setting-> Action	String	Transfer Call (This message	P3719		\checkmark	\checkmark
URL-> Transfer Call		will be sent out when				
		transferring a call (including				
		all kinds of transfer).)				
Setting-> Action	String	Blind Transfer call (This	P3720		\checkmark	\checkmark
URL-> Blind Transfer		message will be sent out				
call		when doing blind-transfer.)				
Setting-> Action	String	Attended Transfer Call (This	P3721		\checkmark	\checkmark
URL-> Attended		message will be sent out				
Transfer Call		when doing attended and				
		semi-attended transfer.)				
Setting-> Action	String	Hold (This message will be	P3722		\checkmark	\checkmark
URL-> Hold		sent out when holding a				
		call.)				
Setting-> Action	String	Unhold (This message will	P3723		\checkmark	\checkmark
URL-> Unhold		be sent out when unholding				
		the call.)				
Setting-> Action	String	Mute (This message will be	P3724		\checkmark	\checkmark
URL-> Mute	_	sent out when muting a				
		call.)				
Setting-> Action	String	Unmute (This message will	P3725		\checkmark	\checkmark
URL-> Unmute		be sent out when unmuting				
		a call.)				
Setting-> Action	String	Missed Call (This message	P3726		\checkmark	\checkmark
URL-> Missed Call		will be sent out when there				
		is a new missed call even if				
		missed call logs is				
		disabled.)				
Setting-> Action	String	Idle To Busy (call logs is	P3727	\checkmark	\checkmark	\checkmark
URL-> Idle To Busy		disabled.)				
Setting-> Action	String	Busy To Idle (Busy to Idle	P3728	\checkmark	\checkmark	\checkmark
URL-> Busy To Idle		Busy to Idle)				
Setting-> Action	String	Forward Incoming Call	P3729	\checkmark	\checkmark	\checkmark
URL-> Forward		(Forward Incoming Call)				
Incoming Call						
Setting-> Action	String	Reject Incoming Call	P3730	\checkmark	\checkmark	\checkmark
URL-> Reject		(Reject Incoming Call)				
Incoming Call						
Setting-> Action	String	Answer New Incoming Call	P3731	\checkmark	\checkmark	\checkmark
URL-> Answer New		(Answer New Incoming				
Incoming Call		Call)				
Setting-> Action	String	TransferFinished (Transfer	P3732	\checkmark	\checkmark	\checkmark
URL-> Transfer		Finished)				
Finished						

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Setting-> Action	String	Transfer Failed (Transfer	P3733	\checkmark	\checkmark	\checkmark
URL-> Transfer		Failed)				
Falleu	Numbor:0	Custom Softkov (0	D9751	2	2	2
	1	Disable 1 - Enable)	F0751	v	N	v
Softkey	1					
Setting->TR069->	Number:0	TR069 Enable 0 – No. 1 -	P8100			
TR069 Enable	1	Yes	10100	•	`	v
Setting->TR069->	string	ACSURI	P8101			
ACS URI	othing		10101		,	`
Setting->TR069->	strina	ACS Username	P8102			
ACS Username	g					
Setting->TR069->	string	ACS Password	P8103			\checkmark
ACS Password	5					
Setting->TR069->	Number:0,	Enable Periodic Inform.0 –	P8104			\checkmark
Enable Periodic	1	No, 1 - Yes				
Inform						
Setting->TR069->	string	Periodic Inform	P8105			\checkmark
Periodic Inform		Interval(seconds)				
Interval(seconds)						
Setting->TR069->	string	Connection Request	P8106	\checkmark	\checkmark	\checkmark
Connection Request		Username				
Username						
Setting->TR069->	string	Connection Request	P8107	\checkmark	\checkmark	\checkmark
Connection Request		Password				
Password						
Setting->SIP-> SIP	Number	SIP Session Timer	P23112		\checkmark	\checkmark
Session Timer		T1(0.5~10s)				
T1(0.5~10s)					1	
Setting->SIP-> SIP	Number	SIP Session Timer T1	P23113		\checkmark	\checkmark
Session Timer		T2(2~40s)				
T2(2~40s)						
	Nuceber		D0044.4			
Security->SIP-> SIP	Number	SIF Session LIMER 11	PZ3114	Ň	N.	N
		14(2.3~0US)				
$14(2.5 \sim 005)$	String	Dhana Book LIDI	D4401	2	2	2
Directory-> Remote	Sung		F4401	N	N	N
1-> Phone Rook LIRI						
Directory-> Remote	String	Name	P3316			
PhoneRook-sinder	Sung		1 3310	Ň	Ň	v
1-> Name						
Directory-> Remote	String	Phone Book URI	P4402			
	· · · · · · · · · · · · · · · · ·			1 '	'	1



PhoneBook->index						
2-> Phone Book URL						
Directory-> Remote	String	Name	P3312	\checkmark	\checkmark	\checkmark
PhoneBook->index						
2-> Name						
Directory-> Remote	String	Phone Book URL	P4404	\checkmark	\checkmark	\checkmark
PhoneBook->index						
3-> Phone Book URL						
Directory-> Remote	String	Name	P3313		\checkmark	\checkmark
PhoneBook->index						
3-> Name						
Directory-> Remote	String	Phone Book URL	P4404	\checkmark	\checkmark	\checkmark
PhoneBook->index						
4-> Phone Book URL						
Directory-> Remote	String	Name	P3314	\checkmark	\checkmark	\checkmark
PhoneBook->index	5					
4-> Name						
Directory-> Remote	String	Phone Book URL	P4405		\checkmark	\checkmark
PhoneBook->index	5					
5-> Phone Book URL						
Directory-> Remote	String	Name	P3315		\checkmark	\checkmark
PhoneBook->index	5					
5-> Name						
Directory->LDAP->	String	LDAP name filter, device wil	P5430		\checkmark	\checkmark
LDAP Name Filter	0	I go and search the contact				
		s on the server if the input a				
		re characters.				
Directory->LDAP->	String	LDAP digit filter, device will	P5431	\checkmark	\checkmark	\checkmark
LDAP Number Filter		go and search the contacts				
		on the server if the input ar				
		e digits.				
Directory->LDAP->S	String	LDAP server address, the v	P5432		\checkmark	\checkmark
erver Address		alue can be IP or Domain n				
		ame.				
Directory->LDAP->	Number	LDAP server port	P5433			\checkmark
Port						
Directory->LDAP->B	string	searching root directory of t	P5434	\checkmark	\checkmark	\checkmark
ase		he server				
Directory->LDAP->U	String	user name for logging in the	P5435			\checkmark
ser Name		server				
Directory->LDAP->P	String	password for logging out th	P5436			\checkmark
assword		e server				
Directory->LDAP->M	Number	the maximum query results	P5437			\checkmark
ax.Hits						
Directory->LDAP->	String	the type of display name of	P5440	\checkmark	\checkmark	\checkmark



LDAP Display Name		the searching result				
Directory->LDAP->	Number	the time to display the	P5442	\checkmark	\checkmark	
Search Delay		searching result after				
		inputting search information				
Directory->LDAP->	Number	protocol version (0 –	P5441	\checkmark	\checkmark	
Protocol		version2, 1 – version3)				
Directory->LDAP->	Number:0,	Whether to search display n	P5443	\checkmark	\checkmark	
LDAP Lookup for	1	ame for incoming call using				
Incoming Call		LDAP (0 – off, 1 - on)				
Directory->LDAP->	Number:0,	Whether to sort the results	P5444	\checkmark	\checkmark	
LDAP Sorting Results	1	(0 – off, 1 - on)				
Directory->LDAP->	number	LDAP Synchronize	P20990		\checkmark	
LDAP Synchronize		Time(0~9999mins)				
Time(0~9999mins)		in minutes,0 means never				
		Synchronize, default is 0				
Directory->Network	Number:0,	Allow SIP Authentication for	P20944	\checkmark	\checkmark	
Directory-> XSI	1	XSI.0 – Disable, 1 – Enable				
Information-> Allow		Configures the				
SIP Authentication		authentication mechanism				
for XSI		for extended Services				
		Interface (XSI) platform				
		access				
Directory->Network	Number:0,	Host Server.	P20945	\checkmark	\checkmark	
Directory-> XSI	1	Configures the IP address				
Information-> Host		or domain name of the				
Server		extended Services Interface				
		(XSI) Platform server for				
		account X				
Directory->Network	Number	Port =80.	P20946	\checkmark	\checkmark	
Directory-> XSI		Configures the port number				
Information-> Port		of the XSI platform server				
		for account X				
Directory->Network	Number	XSI Server Type.0 – HTTP,	P20947	\checkmark	\checkmark	\checkmark
Directory-> XSI		1 - HTTPS				
Information-> XSI		Configures the access				
Server Type		protocol of the XSI platform				
		server for account X				
Directory->Network	string	User ID	P20948	\checkmark	\checkmark	\checkmark
Directory-> XSI		Configures the user name				
Information->User ID		for XSI authentication for				
		account X				
Directory->Network	string	Password	P20949			
Directory-> XSI		Configures the password for				
Information->Passwo		XSI authentication for				
rd		account X				



Directory->Network Directory-> XSI Information->UC User Name	string	UC User Name Configures the user name for UC authentication	P20950	V	V	\checkmark
Directory->Network Directory-> XSI Information->UC Password	string	UC Password Configures the password for UC authentication.	P20951	V	V	\checkmark
Directory->Network Directory-> Network Directory->Group	Number:0, 1	Group. 0 – Disable, 1 - Enable	P20953	V	V	V
Directory->Network Directory-> Network Directory->Group Name	string	Display name. Enables or disables the IP phone to display the group directory and configures the display name on the LCD screen for the group directory.	P20960	V	V	\checkmark
Directory->Network Directory-> Network Directory->Enterprise	Number:0, 1	Enterprise. 0 – Disable, 1 - Enable	P20955	\checkmark	\checkmark	\checkmark
Directory->Network Directory-> Network Directory-> Enterprise name	string	Display name. Enables or disables the IP phone to display the enterprise directory and configures the display name on the LCD screen for the enterprise directory.	P20962	V	V	\checkmark
Directory->Network Directory-> Network Directory->Group Common	Number:0, 1	Group Common. 0 – Disable, 1 - Enable	P20954	V	V	\checkmark
Directory->Network Directory-> Network Directory->Group Common name	string	Display name. Enables or disables the IP phone to display the group common directory and configures the display name on the LCD screen for the group common directory.	P20961	V	V	V
Directory->Network Directory-> Network Directory->Enterprise Common	Number:0, 1	Enterprise Common. 0 – Disable, 1 - Enable	P20956	V	\checkmark	\checkmark
Directory->Network	string	Display name.	P20963			



I	Directory-> Network		Enables or disables the IP				
	Directory->		phone to display the				
	Enterprise Common		enterprise common				
	name		directory and configures the				
			display name on the LCD				
			screen for the enterprise				
			common directory.				
ľ	Directory->Network	Number:0,	Personal. 0 – Disable, 1 -	P20957	\checkmark	\checkmark	\checkmark
	Directory-> Network	1	Enable				
	Directory->Personal						
ľ	Directory->Network	string	Personal name.	P20964	\checkmark	\checkmark	\checkmark
	Directory-> Network	_	Enables or disables the IP				
	Directory-> Personal		phone to display the				
	name		personal directory and				
			configures the display name				
			on the LCD screen for the				
			personal directory.				
Ì	Directory-> Network	Number:0,	Enable Custom Directory. 0	P20958	\checkmark	\checkmark	\checkmark
	Directory-> Custom	1	– Disable, 1 - Enable				
	Directory-> Enable		Enables or disables the				
	Custom Directory		custom directory feature				
ľ	Directory-> Network	Number:0,	Enable Custom Directory. 0	P20959	\checkmark	\checkmark	\checkmark
	Directory-> Call	1	– Disable, 1 - Enable				
	Log-> Network Call		Enables or disables the				
	Log		BroadSoft call log feature				
ľ	Directory->MultiCast	Number:0-	Paging Barge (0 - Disable,1	P20041	\checkmark		\checkmark
	Paging-> Paging	10	- 1,2 - 2,3 - 3,4 - 4,5 - 5,6 -				
	Barge		6,7 - 7,8 - 8,9 - 9,10 - 10)				
Ì	Directory->MultiCast	Number:0,	Paging Priority Active	P20042	\checkmark	\checkmark	\checkmark
	Paging-> Paging	1	(Disable,1 - Enable)				
	Priority Active						
ŀ	Directory->MultiCast	Number	Multicast Codec. 0 –	P20164		\checkmark	\checkmark
	Paging->Multicast		PCMU, 18 – G.729A/B, 8 –				
	Codec		PCMA, 9 – G.722(wide				
			band)				
ľ	Directory->MultiCast	String	Listening Address	P20021	\checkmark	\checkmark	\checkmark
	Paging->IP Address	_					
	1-> Listening Address						
ŀ	Directory->MultiCast	String	Label	P20022		\checkmark	\checkmark
	Paging-> IP Address	Ŭ					
	1-> Label						
ŀ	Directory->MultiCast	String	Listening Address	P20023		\checkmark	\checkmark
	Paging->IP Address						
	2> Listening Address						
ŀ	Directory->MultiCast	String	Label	P20024	\checkmark	\checkmark	\checkmark
	-		•				



Paging-> IP Address						
2> Label	01.1			1	1	1
Directory->MultiCast	String	Listening Address	P20025	N	N	γ
Paging->IP Address						
3> Listening Address	Otalia a		Dooooo	.1		.1
Directory->MultiCast	String	Label	P20026	N	N	γ
Paging-> IP Address						
3> Label	<u></u>			1	1	1
Directory->MultiCast	String	Listening Address	P20027	N	N	γ
Paging->IP Address						
4> Listening Address				1	1	1
Directory->MultiCast	String	Label	P20028	N	N	N
Paging-> IP Address						
4> Label				1	1	1
Directory->MultiCast	String	Listening Address	P20029		\checkmark	\checkmark
Paging->IP Address						
5> Listening Address						
Directory->MultiCast	String	Label	P20030		\checkmark	\checkmark
Paging-> IP Address						
5> Label						
Directory->MultiCast	String	Listening Address	P20031		\checkmark	\checkmark
Paging->IP Address						
6> Listening Address						
Directory->MultiCast	String	Label	P20032	\checkmark	\checkmark	\checkmark
Paging-> IP Address						
6> Label						
Directory->MultiCast	String	Listening Address	P20033		\checkmark	\checkmark
Paging->IP Address						
7> Listening Address						
Directory->MultiCast	String	Label	P20034	\checkmark	\checkmark	\checkmark
Paging-> IP Address						
7> Label						
Directory->MultiCast	String	Listening Address	P20035		\checkmark	\checkmark
Paging->IP Address						
8> Listening Address						
Directory->MultiCast	String	Label	P20036		\checkmark	\checkmark
Paging-> IP Address						
8> Label						
Directory->MultiCast	String	Listening Address	P20037			\checkmark
Paging->IP Address						
9> Listening Address						
Directory->MultiCast	String	Label	P20038	\checkmark	\checkmark	\checkmark
Paging-> IP Address						
9 Label						
Directory->MultiCast	String	Listening Address	P20039		\checkmark	\checkmark



Paging->IP Address						
10> Listening						
Address				1	1	1
Directory->MultiCast	String	Label	P20040	N	V	V
Paging-> IP Address						
10> Label				1	1	1
Management->Auto	Number:0,	PnP Active. 0 – No, 1 – Yes	P20165	N	V	V
Provision->Firmware	1	Enable/disable the phone				
Upgrade-> PnP		sending requests to the				
Active		server to obtain the URL for				
		downloading firmware				
			D 040	1	1	1
Management->Auto	Number:0-	Upgrade Mode (U - TFTP, 1	P212	N	N	γ
Provision->Firmware	3	- HTTP, 2 - FTP, 3 - HTTP5)				
Upgrade-> Upgrade						
Management	Ctrin a	Firmwore Conver Dath	D100			
Management->	String	Firmware Server Path	P192	N	N	N
Auto Provision->						
Firmware Opgrade->						
Firmware Server						
Path	Otaria a	Carofin Camuan Dath	D007			
Management->	String	Coning Server Pain	P237	N	N	N
Rovicion > Eirmwore						
Lingrado > Config						
Sonver Path						
Management->	Number	Allow DHCP Ontion	P11/5	N	1	N
	Number		1 1145	v	v	v
Provision->Firmware						
Upgrade-> Allow						
DHCP Option						
Management->	Number:0.	To Override Server (0 – no.	P145			
Auto	1	1 – ves)				
Provision->Firmware		, ,				
Upgrade-> To						
Override Server						
Management->Auto	String	HTTP/FTP/HTTPS	P1360	\checkmark	\checkmark	\checkmark
Provision->Firmware		UserName				
Upgrade-> HTTP /						
FTP / HTTPS						
Username						
Management-> Auto	String	HTTP/FTP/HTTPS	P1361	\checkmark	\checkmark	\checkmark
Provision->Firmware		Password				
Upgrade-> HTTP						
/FTP / HTTPS						



Password						
Management-> Auto	String	Firmware/Config File Prefix	P232			
Provision->Firmware	oung		0_			
Upgrade->Firmware/						
Config File Prefix						
Management-> Auto	String	Firmware/Config File	P233			
Provision->Firmware	- mg	Postfix				
Upgrade->Firmware/						
Config File Postfix						
Management->Auto	Number:0.	AUTO Upgrade (0 - no. 1 -	P194			
Provision->Firmware	1	ves)	_			
Upgrade-> AUTO		, , , , , , , , , , , , , , , , , , ,				
Upgrade						
Management->Auto	Number	check for upgrade every?	P193	\checkmark		\checkmark
Provision->Firmware		Minutes				
Upgrade-> check for						
upgrade every?						
Minutes						
Management->Auto	Number:0-	Upgrade Check Mode	P238	\checkmark		\checkmark
Provision->Firmware	2	0 - Always Check for New				
Upgrade-> Upgrade		Firmware				
Check Mode		1 - check new firmware only				
		when F/W pre/suffix				
		changes				
		2 - Always Skip the				
		Firmware Check				
Management->Auto	Number:0,	Authenticate Cfg File (0 -	P240	\checkmark	\checkmark	\checkmark
Provision->Firmware	1	no, 1 - yes)				
Upgrade->						
Authenticate Cfg File						
Management->Auto	String	Common AES Key	P8631	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade-> Set						
Common AES Key						
Management->Auto	String	Ring Server Path	P20174	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade->Ring						
Server Path				,		
Management->Auto	String	Language Server URL	P20175	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade->Language						
Server URL				1		1
Management->Auto	String	hipres Server URL	P20176	N	٧	N
Provision->Firmware						
Upgrade->hlpres						



				1	1	
Server URL						
Management->Auto	String	exp_res Server URL	P20177	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade->exp_res						
Server URL						
Management->Auto	String	VPN Server URL	P20178	\checkmark	\checkmark	
Provision->Firmware						
Upgrade->VPN						
Server URL						
Management->Auto	String	Trusted CA Server URL	P20179		\checkmark	
Provision->Firmware	5					
Upgrade->Trusted						
CA Server URL						
Management->Auto	String	Server CA Server URI	P20180			
Provision->Firmware	ounig		1 20100		,	,
Lingrade->Server CA						
Server LIRI						
	String	Scroopsover Server LIPI	P20051	~	2	2
Drovicion > Eirmworo	String	Screensaver Server ORL	F20051	×	v	N
or Server UD						
er Server URL	Otalia a		Doooso		.1	.1
Management->Auto	String	waiipaper Server URL	P20052	×	N	Ŋ
Provision->Firmware						
Upgrade->vvalipaper						
Server URL				1	1	1
Management->Auto	String	8021x CA cert URL	P20987	N	N	N
Provision->Firmware						
Upgrade->8021x CA						
cert URL						
Management->Auto	String	8021x DEV cert URL	P20988	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade->8021x						
DEV cert URL						
Management->Auto	Number:0,	Zero Active.0 – No, 1 - Yes	P20933	\checkmark	\checkmark	\checkmark
Provision->Firmware	1					
Upgrade->Zero						
Active						
Management->Auto	Number	Wait Time(1~100s)	P20932	\checkmark	\checkmark	\checkmark
Provision->Firmware						
Upgrade->Wait						
Time(1~100s)						
Management->Auto	Number:0,	Self as Server (0 - No,1-	P40001	×		\checkmark
Provision->Firmware	1	Yes)				
Upgrade-> Self as		,				
Server						
1	1	1	1	1		1



Management->Auto Provision->Firmware	String	Exp Upgrade Server	P40002	×	\checkmark	\checkmark
Upgrade-> Exp						
Management->Auto	String	Phonebook XML Server	P331	\checkmark	\checkmark	
Provision->Phoneboo		Path				
k XML Download->						
Phonebook XML						
Server Path						
Management->Auto	Number:0-	Phonebook Download	P332	\checkmark	\checkmark	\checkmark
Provision->	720	Interval (the interval time				
Phonebook XML		should be 0-720 days)				
Download ->						
Phonebook						
Download Interval						
Management->Auto	Number:0,	Remove Manually-edited	P333	\checkmark	\checkmark	\checkmark
Provision->	1	Entries On Download.0 -				
Phonebook XML		no, 1 - yes				
Download -> Remove						
Manually-edited						
Entries On Download						
Management->Auto	Number:0-	Phonebook XML Download	P330	\checkmark	\checkmark	\checkmark
Provision->	4	Enable.0 - no, 1 - yes,				
Phonebook XML		HTTP, 2 - yes, TFTP, 3 -				
Download ->		yes, FTP, 4 - yes, HTTPs				
Phonebook XML						
Download Enable						
Management->Auto	Number:0,	SNMP Service Enable.0 -	P8150	\checkmark	\checkmark	\checkmark
Provision-> SNMP	1	no, 1 - yes				
Service -> SNMP						
Service Enable						
Management->Auto	String	SNMP Get Community	P8151	\checkmark	\checkmark	\checkmark
Provision-> SNMP						
Service -> SNMP Get						
Community						
Management->Auto	String	SNMP Set Community	P8152	\checkmark	\checkmark	\checkmark
Provision-> SNMP						
Service -> SNMP Set						
Community			_	1		1
Management->Auto	String	SNMP Manager IP 1	P8153	\checkmark	\checkmark	\checkmark
Provision-> SNMP						
Service -> SNMP						
Manager IP 1				1	,	
Management->Auto	String	SNMP Manager IP 2	P8154	\checkmark	\checkmark	\checkmark
Provision-> SNMP						



Service -> SNMP						
Manager IP 2						
Management->Auto	String	SNMP Manager IP 3	P8155	\checkmark	\checkmark	
Provision-> SNMP						
Service -> SNMP						
Manager IP 3						
Management->Auto	String	SNMP Manager IP 4	P8156	\checkmark	\checkmark	\checkmark
Provision-> SNMP						
Service -> SNMP						
Manager IP 4						
Management->Config	String	syslog server	P207	\checkmark	\checkmark	\checkmark
uration->System						
log->syslog server						
Management->Config	Number:0-	Syslog Level.0 – NONE, 1 –	P208	\checkmark	\checkmark	\checkmark
uration->System	4	DEBUG,2 – INFO, 3 –				
log->Syslog Level		WARNING, 4 - ERROR				
Management->Truste	Number:0-	Trusted Certificates.0	P20156	\checkmark	\checkmark	\checkmark
d CA->Trusted	2	-Default Certificates				
Certificates		, 1 –Custom Certificates				
		,2 –All Certificates				
Management->Serve	Number:0-	Device Certificates.0	P20155		\checkmark	\checkmark
r CA->Device	1	-Default Certificates				
Certificates		, 1 –Custom Certificates				