Spectralink DECT Server 2500

Future-Proof and Flexible DECT Wireless Solution for Small to Medium-sized Businesses

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The Spectralink DECT Server 2500 is ideal for small and medium-sized businesses that want a cost-effective and future-proof solution. It is a flexible add-on solution that can be assembled to match exact business needs. You get all the benefits of the larger Spectralink DECT Server 8000 solution, but tailored to meet the needs of smaller businesses.

The Spectralink DECT Server 2500 solution has room for one CPU card and three interface cards. You can deploy the solution as either analogue, SIP VoIP, or a combination of analogue and SIP VoIP telephony. If you want to migrate to a full SIP VoIP solution, simply change an interface card.

The Spectralink DECT Server 2500 solution supports up to 150 wireless users and 32 simultaneous calls. The server runs on an open interface and supports third-party applications, which allows the solution to be customised to your exact needs.

Should your business outgrow the Spectralink DECT Server 2500, it can easily and inexpensively be upgraded to a Spectralink DECT Server 8000 solution.

BENEFITS

- Flexible design ensures the solution matches evolving environments and protects your wireless investment

- Seamless migration from analogue to VoIP telephony

- Inexpensive migration path to Spectralink DECT Server 8000

- Simple management via web GUI management program that includes various analysis tools, statistics, and error detection

- Customisable solution that runs on an open interface and integrates with third-party applications

- Mix digital and IP base stations in one system

SPECIFICATIONS

ANALOGUE LINE SUPPORT
- CLIP FSK Bellcore
- DTMF CLIP
- Loop break
- DTMF transmit
- Dial and busy tone detect

SIP VOIP SUPPORT
- Basis call
- CLIP
- Call hold
- Call transfer

PROTOCOL SUPPORT
- Broadcast messaging
- MSF (Message Service Functions)
- TAP (Telocator Alphanumeric Protocol 1.8)
- XML-PRC

SYSTEM ARCHITECTURE
- Stable system core based on Linux
- Faster access to standard protocols
- Room for one CPU card without link and three interface cards
- CPU card without link option has build-in Media Resource for 8 Channels
- Max. no. of:
  - Registered handsets (VoIP interface): 150
  - Registered handsets (digital interface): 32
  - Spectralink DECT Base Stations: up to eight per base station interface card
  - Spectralink DECT Repeaters: three per base station
  - Spectralink IP-DECT Base Station option
- Interface Cards:
  - AB08/16 interface card: 8/16 analogue telephone lines
  - BIF08 interface card: drives eight base stations
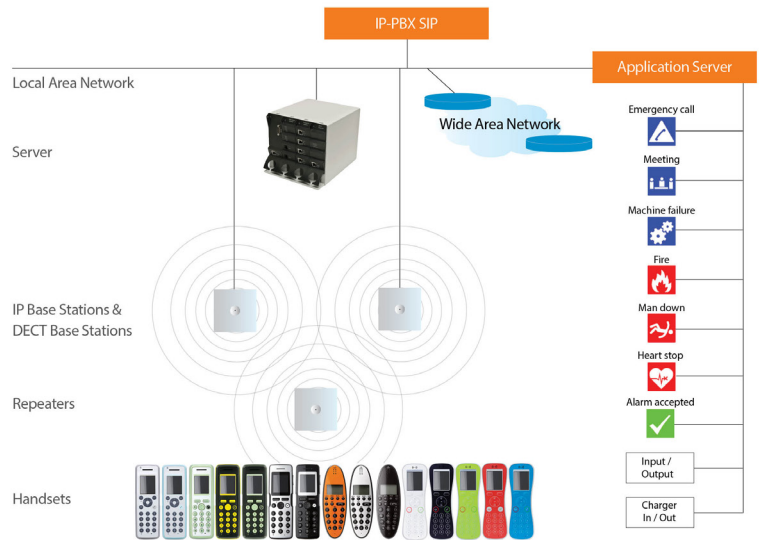 - MR32 interface card: media resource card for 32 VoIP connections

SUPPORTED CODECS
- G.711 A-law and µ-law
- G.726 (32kbps - 4 bit ADPCM)

APPROVALS (REGULATORY STANDARDS)
- EN55022, Class A
- EN55024: A1, A2
- FCC RULES, CRF47, PART15, class B digital device

Spectralink DECT Server 2500 Configuration

SAFETY (REGULATORY STANDARDS)
- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN60950-1

ENVIRONMENTAL CONDITIONS
- Operating temperature: 10º - 40º C (50º - 104º F)
- Storage temperature: -30º - 70º C (-22º - 158º F)
- Humidity: 20% and 80% (non-condensing)
- Compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

ELECTRICAL REQUIREMENTS
- Power adaptor characteristics: DE 18.1 VDC/3.16 A
- The supplied power for AC adaptor power supply must be 110–240 VAC nominal, 50/60 Hz.

PHYSICAL CHARACTERISTICS
- Size: 177 x 194 x 328 mm (7 x 8 x 13 in.)
- Weight: 1.16 kg (2.56 lb) excl. power supply
- Wall mountable, indoor

INTEROPERABILITY
- For information about supported PBX platforms, visit support.spectralink.com.

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