

# Spectralink DECT Server 2500

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



The Spectralink DECT Server 2500 is ideal for small and medium-sized businesses that want a cost-effective, modular and future-proof DECT wireless mobility solution. It is a flexible add-on solution that can be configured and deployed to match exact business needs. You get all the features and 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. The solution can be deployed as either analog, SIP VoIP, or a combination of analog and SIP VoIP telephony. For businesses wanting to migrate and evolve to a full SIP VoIP solution, simply change the optional 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, allowing the solution to be customized to your exact business 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

- Modular and flexible design ensures the solution matches evolving environments and protects your wireless investment
- Seamless migration from analog 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
- Customizable solution that runs on an open interface and integrates with third-party applications
- Mix digital and IP base stations in one system
- Allows ability to mix for synchronization via air or LAN (Local Area Network)

# SPECIFICATIONS

## ANALOG 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
- 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: 64 (takes up two channels on the media resource card)
- Interface Cards:
  - AB08/16 interface card: 8/16 analog 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  $\mu$ -law
- G.726 (32kbps - 4 bit ADPCM)

## APPROVALS (REGULATORY STANDARDS)

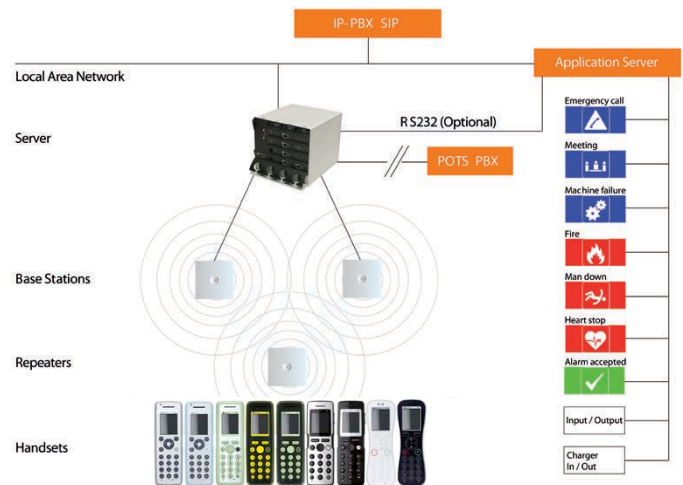
- EN55022, Class A
- EN55024: A1, A2
- FCC RULES, CRF47, PART15, class B digital device

## SAFETY (REGULATORY STANDARDS)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN60950-1

*Note: For latest approvals and regulatory compliance, please check our website.*

## Spectralink DECT Server 2500 Configuration



## ENVIRONMENTAL CONDITIONS

- Operating temperature: 10° - 40° C (50° - 104° F)
- Storage temperature: -30° - 70° C (-22° - 158° 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 Call Control / Unified Communications (UC) (PBX and IP-PBX) platforms, visit [support.spectralink.com](http://support.spectralink.com).

## About Spectralink

Spectralink delivers secure, cost-effective mobile communication solutions that empower enterprises to streamline operations, increase their revenues and deliver a positive customer experience - each and every time. Since 1990, Spectralink has deployed millions of devices worldwide across the retail, healthcare, hospitality and manufacturing sectors - providing workers with the industry's most efficient, in-building communications.

For more information, visit [spectralink.com](http://spectralink.com) or call 303.441.7500.

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