

# Spectralink DECT Server 8000

## Modular and Customizable DECT On-site Mobility Solution for Medium to Large Enterprises



### Benefits

- Seamless migration from analog to SIP based telephony
- Dramatically improves responsiveness and productivity of mobile workers
- Increases business efficiency
- by integrating with application systems and business processes
- Configuration & Management via web-based management tool
- Reduces the number of on-site service visits via service facilities such as management reports and analyzing tools
- Low power consumption fosters a greener environment and reduces costs
- Rack and wall mountable
- Ability to mix digital and IP Base stations in one system
- Allows for synchronization via air or LAN (Local Area Network)
- Customizable solution that runs on an open interface and integrates with third-party business applications

The Spectralink Hybrid DECT Server 8000 is a modular, scalable and flexible wireless mobility solution supporting both analog and SIP interface for the host call control platform that can be customized to match your enterprise wireless telephony needs today and in the future. With its modular architecture and ability to scale easily, it fits the needs of medium to large enterprise businesses.

The Hybrid DECT Server 8000 solution can be customized to specific wireless needs via a number of optional interface cards: a CPU card with or without link option, a base station card that connects up to eight Digital DECT Base Stations, an analog card with eight or 16 lines, and a media resource card for 32 VoIP connections. You can increase system radio coverage and connect up to 1,024 IP-DECT Base Stations.

Each Hybrid DECT Server 8000 has room for one CPU card and up to eight universal interface cards. Further, up to eight servers can be linked together giving you flexibility and scalability when selecting options. With a combined total of 64 slots, the Spectralink DECT Server 8000 solution allows for multiple ways to deploy a wireless mobility solution that matches the enterprise telephony needs of your organization.

Businesses that need radio coverage over a large geographical area, with multiple locations, or a large number of mobile employees can benefit from the fact that the system supports up to 4,095 wireless users and 1,024 simultaneous calls.

The highly scalable and flexible nature of the Hybrid DECT Server 8000 solution makes it an ideal DECT wireless mobility platform for fast-growing and large businesses since the solution can be expanded as the business grows.

The Spectralink 8000 DECT Server is certified and tested with Cisco CUCM and HCS platforms.

# Specifications

## ANALOG LINE SUPPORT

- CLIP FSK Bell core
- DTMF CLIP
- Loop break
- DTMF transmit
- Dial and busy tone detect

## PROTOCOL SUPPORT

- Session Initiated Protocol (SIP)
- Broadcast Messaging
- Message Service Functions (MSF)
- Event Message Description (EMD)
- Telocator Alphanumeric Protocol 1.8 (TAP)
- XML-RPC

## SIP VOIP SUPPORT

- Basis call
- CLIP
- Call Hold
- Call Transfer
- Call Waiting

## CALL CONTROL PROTOCOL SUPPORT

- Session Initiated Protocol (SIP)

## OPERATION AND MAINTENANCE

- HTTP with digest authentication
- Web-based administration and maintenance

## SYSTEM ARCHITECTURE

- Stable system core based on Linux
- CPU card without link option has build-in Media Resource for 8 Channels
- Max. no. of:
  - Registered Spectralink handsets: 4,095
  - Simultaneous calls: 1,024
  - Simultaneous calls per media resource (G.711 & G. 726): 32
  - Spectralink DECT Base Stations:
    - 512 Digital bases (4 channel versions)\*
    - 32 Media Resource cards (32 channels per card = 1024 MR channels in total) \*

*\*These are theoretical maximum capacities and always a tradeoff between the number of bases, users, and simultaneous calls needed.*

  - Spectralink DECT Repeaters: 3 per Base Station
  - Spectralink IP-DECT Base Stations: 1,024 (takes up two channels on the media resource card)
  - Linked 8000 servers: 8
  - Interface cards in one linked system: 64
- Interface Cards:
  - AB08/16 interface card: 8/16 analog lines
  - BIF08 interface card: drives up to 8 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)

## NETWORK

- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP)
- Time and date synchronization (NTP)
- Event logging

## PROVISIONING

- Configuration
- User data
- Server firmware

## APPROVALS (REGULATORY STANDARDS)

- Radio Equipment Directive 2014/53/EU
- Low Voltage Directive 2014/35/EU (CE)
- FCC 47 CFR Part 15

## SAFETY (REGULATORY STANDARDS)

- UL62368-1 CAN/CSA-C22.2 No. 62368-1
- IEC 62368-1
- AS/NZS 62368-1
- EN 62368-1

*Please check our support site for the latest approvals and regulatory compliance.*

## ENVIRONMENTAL CONDITIONS

- Operating temperature: 32° - 104°F (0 - 40° C)
- Storage temperature: -22° - 158°F (-30° - 70° C)
- Relative humidity: between 20% and 80% (non-condensing)
- Operating altitude: Up to 9,483 ft. (3,000 m.)
- The equipment is compliant with the requirements of EU directive 2011/65/EU (ROHS) and 2012/19/EU (WEEE)

## ELECTRICAL REQUIREMENTS

- Power adaptor characteristics: De 19 VDC /9.48 A
- The supplied power for AC adaptor power supply must be 110 - 240 VAC nominal, 50/60 Hz. Can use up to 4 power suppliers per server for redundancy purposes

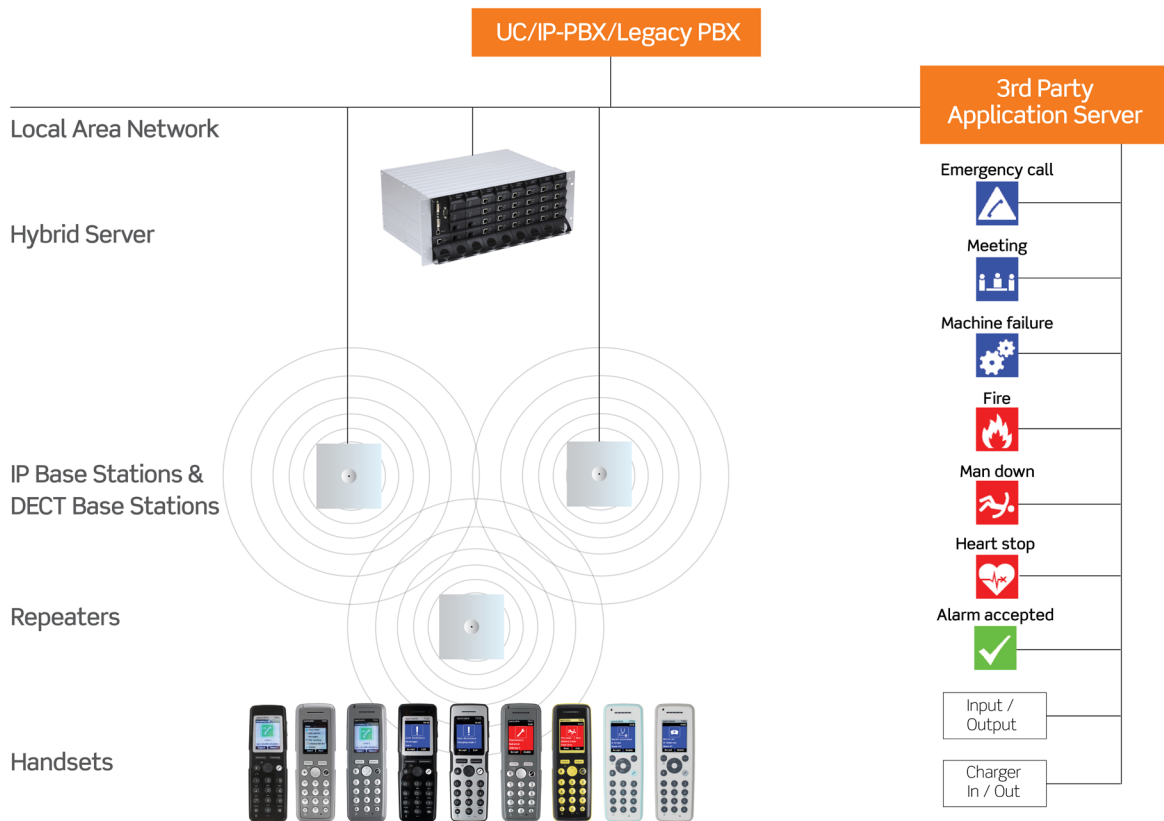
## PHYSICAL CHARACTERISTICS

- Size: 7 x 17 x 13 in. (177 x 422 x 328 mm)
- Weight: 11.8 lb (5.34 kg) excl. power supply
- Up to 26.5 lb (12 kg) incl. adapters
- The shelf is four units high in the rack

## INTEROPERABILITY

- For information about supported Call Control / Unified Communications (UC) (PBX and IP-PBX) platforms, visit [support.spectralink.com](http://support.spectralink.com).

# Spectralink DECT Server 8000 Configuration



## Learn More

Learn what Spectralink wireless telephones, in partnership with Cisco®, can do for your organisation. Visit us at [spectralinkplus.com](https://spectralinkplus.com) or call your Spectralink representative.