Spectralink DECT Server 8000

Modular and Customizable DECT Wireless Telephony for Medium to Large Enterprises

BENEFITS

- Seamless migration from integrated legacy DECT solutions to SIP Unified Communication (UC) telephony
- Dramatically improves responsiveness and productivity of mobile workers
- Increases business efficiency by integrating with application systems and business processes
- 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, indoor
- Ability to mix digital and IP base stations in one system
- Allows for synchronization via air or LAN (Local Area Network) or a combination of the two

The Spectralink DECT Server 8000 is a modular, scalable and flexible wireless mobility solution with combined analog and SIP VoIP interface that can be customized to exactly match your wireless telephony needs today and in the future. With its ability to easily scale, it fits the needs of medium to large-sized enterprise businesses.

The Spectralink DECT Server 8000 solution can be customized to specific wireless needs via a number of interface cards: a CPU card with or without link option, a DECT base station card (optional if using IP-DECT Base Stations) that connects up to eight Base Stations, an analog card with eight or 16 lines, and the SIP VoIP card that acts as a media resource card for 32 VoIP connections. You can also connect up to 1,024 Spectralink IP-DECT Base Stations.

Each Spectralink DECT Server 8000 has room for one CPU card and up to eight interface cards. Further, up to eight servers can be linked together. With a combined total of 64 slots, the Spectralink DECT Server 8000 solution allows for numerous ways to deploy a wireless mobility solution that matches the exact 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 Spectralink DECT Server 8000 solution, which supports up to 4,095 wireless users and 1,024 simultaneous calls.

The extremely scalable and flexible nature of the Spectralink DECT Server 8000 solution makes it an ideal add-on solution for fast-growing and large businesses since the solution can be expanded as the business grows.

SIP VOIP SUPPORT
- Call hold
- Call transfer
- Call waiting
- Call forward all (CUCM wide)
- Message waiting
- Directive call park
- Force authorization code support
- Client matter code support
- Call pick up (group or directed)
- Meet-me conferencing
- Shared line
- Bulk provisioning
- Busy lamp field
- SIP over TCP/UDP
- Ad-hoc conferencing
- Music on hold
- Call completed elsewhere

SECURITY
- TLS
- SRTP
- HTTPS
- Advanced security login requirements (optional)

PROTOCOL SUPPORT
- Broadcast Messaging
- Message Service Functions (MSF)
- Telocator Alphanumeric Protocol 1.8 (TAP)
- XML-RPC (application integration)
- Advanced SIP integration for Cisco Unified Communications Manager (CUCM)
- HTTP/HTTPS/FTP/TFTP (auto provisioning)
- Syslog and SNMP (monitoring)
- NTP (accurate time and date indication)
- LDAP (centralized phonebook support)

SYSTEM ARCHITECTURE
- Stable system core based on Linux
- Faster access to standard protocols
- 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): 32
  – Spectralink DECT Base Stations: 512
  – Spectralink DECT Repeaters: 3 per Base Station
  – Spectralink IP-DECT Base Stations: 1,024
  – Linked servers: 8
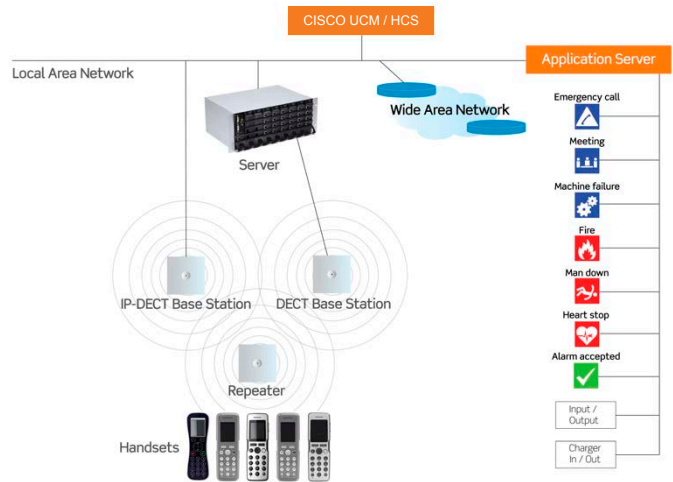 – Interface cards in one linked system: 64

SUPPORTED CODECS
- G.711 A-law and μ-law

APPROVALS (REGULATORY STANDARDS)
- EN55022: Class A
- EN55024: A1, A2
- CRF47, PART15, Subpart B
- CISPR 22
- ICES-003
- CAN/CSA-CEI/IEC CISPR 22

Spectralink DECT Server 8000 Configuration

SAFETY (REGULATORY STANDARDS)
- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- UL File No: E170690
- IEC 60950-1
- EN60950-1
- AS/NZS 60950-1

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

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 2002/95/EC (ROHS) and 2002/96/EC (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
- Power supply redundancy is available

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 a 19 inch rack

INTEGRATION WITH CISCO PLATFORMS
- Cisco Options Package (COP file)
  – Cisco Unified Communications Manager (CUCM)
  – Cisco Hosted Collaboration Solutions (HCS)
- Spectralink DECT device profile

DECT SERVER 8000 / CISCO SKU
- SP-SLNK-8000-SR

Note: Please read the Cisco SKU and Order Info guide for the additional cards required to work with the DECT Server 8000.

Learn More

Learn what Spectralink wireless telephones, in partnership with Cisco®, can do for your organisation. Visit us at spectralinkplus.com or call your Spectralink representative.

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