

# Spectralink IP-DECT Server 400

SIP Telephony Solution for  
Small to Medium-sized Businesses



## BENEFITS

- Interoperable with market leaders in tele-communications
- Upgrade via licences as your business grows
- Leverages the existing infrastructure
- Delivers high-quality and secure voice communication
- Increases business efficiency by integrating with application systems and business processes
- Can be installed in multiple locations to ensure mobility
- Uses an external antenna to expand coverage
- Allows for synchronisation via air or LAN (Local Area Network)

Spectralink offers a scalable IP-DECT solution that can grow and develop with your business – whether its size or number of employees is increasing. The Spectralink IP-DECT Server 400 supports up to 30 wireless users and up to 12 simultaneous calls – depending on how you assemble it. The scalability ensures that the Spectralink IP-DECT Server 400 solution can develop with your business to fit your exact needs making it a future-proof solution for small and medium-sized businesses.

The Spectralink IP-DECT Server 400 can be deployed as either a single-cell or a multi-cell solution. The single-cell version is extremely easy to deploy and install due to its intuitive menu structure. Moreover, it is ideal as a hosted solution because it has the capability for provisioning configuration, firmware, and wireless users as well as VLAN tagging. When there is a need for more users or coverage of a larger area or multiple locations, the solution can be upgraded to a multi-cell solution, which supports up to three additional Spectralink IP-DECT Base Stations.

With license keys you can design the Spectralink IP-DECT Server 400 to support your exact business requirements.

Spectralink IP-DECT Server 400 supports the Spectralink external antenna\*, which is an ideal choice for expanding coverage or creating synchronisation over the air in normally inaccessible areas such as freezing rooms, cruise ships or long corridors.

\* Spectralink external antennas are the only approved antenna for the Spectralink IP-DECT Server 400. Connecting 3<sup>rd</sup> party antennas will not work.

# SPECIFICATIONS

## PROTOCOL SUPPORT

- Session Initiated Protocol (SIP)

## OPERATION AND MAINTENANCE

- Single web portal for administration and maintenance of the entire DECT infrastructure
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP

## SYSTEM ARCHITECTURE

- The Spectralink IP-DECT Server 400 is both a radio unit and a SIP integration unit to the SIP IP-PBX. Also, it controls and handles the Spectralink IP DECT Base Station
- **Single-cell configuration:**  
1 x Spectralink IP-DECT Server 400 and up to 3 x Spectralink DECT Repeaters (2 or 4 channel multi-cell)  
12 wireless users / six simultaneous calls  
Optional 30 users / 11 simultaneous calls \*
- **Multi-cell configuration:**  
1 x Spectralink IP-DECT Server 400, up to 3 x Spectralink IP-DECT Base Stations and up to 3 x Spectralink DECT Repeaters (2 or 4 channel multi-cell) connected on each IP-DECT Server or Base Station.  
12 wireless users / six simultaneous calls  
Optional 30 users / 12 simultaneous calls

## SUPPORTED CODECS

- G.711 A-law and  $\mu$ -law
- G.726 (32 Kbps - 4 bit ADPCM)
- G.729 (license required)

## NETWORK AND PROVISIONING

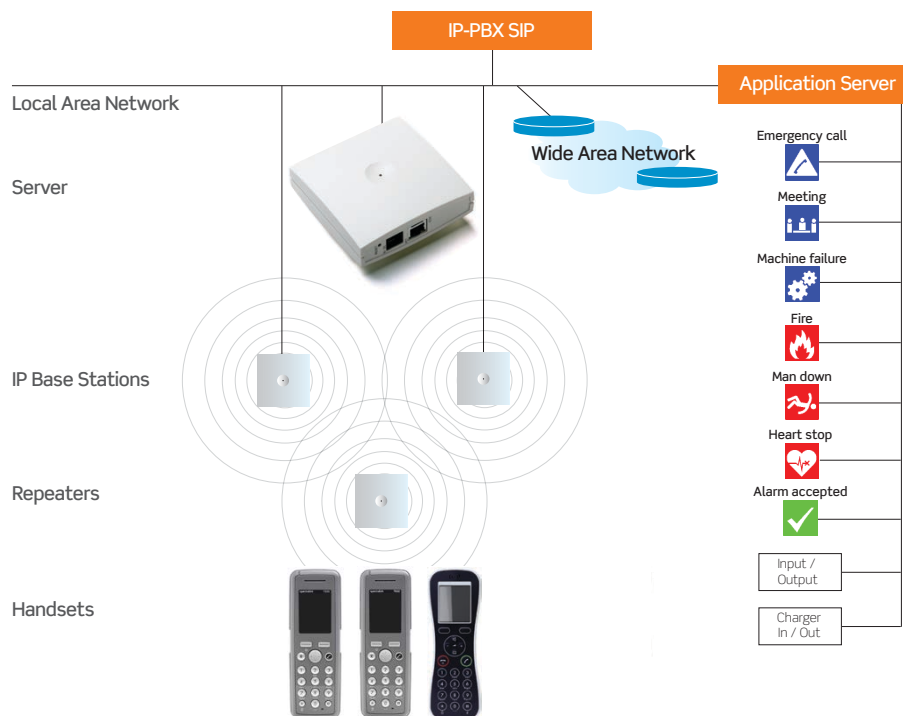
- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronisation using Network Time Protocol (NTP)
- LED status indication

## RADIO INTERFACE

- RF output 20 to 24 dBm at antenna connection
- Sensitivity: typical -90 dBm measured at antenna connection at BER = 0.001
- Typical range:
  - Indoor: 20 - 50 m. (66 - 164 ft.)
  - Outdoor: 300 m. (984 ft.)
- Possible to connect external antenna  
(Only Spectralink external antenna can be used)

\* The Spectralink IP-DECT Server 400 does have 12 channels, but due to the functionality of DECT it is only possible to have 11 concurring channels when operating as single cell (using only one radio).

## Spectralink IP-DECT Server 400 Configuration



## SPECIFICATIONS (CONT.)

### ELECTRO MAGNETIC COMPATIBILITY (EMS) APPROVALS (REGULATORY STANDARDS)

- EN 301 489-1
- EN 301 489-6
- FCC RULES, FCC PART15
- ANSI C63.4

### SAFETY (REGULATORY STANDARDS)

- UL60950-1
  - CAN/CSA-C22.2 No. 60950-1
  - AS/NZS 60950-1
- EN 60950-1

### DECT APPROVAL

- EN 301 406

### ENVIRONMENTAL CONDITIONS

- Operating temperature: 10° - 40° C (50° - 104° F)
- Storage temperature: -50° - 70° C (-58° - 158° F)
- Relative humidity: between 20% and 80% (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

### ELECTRICAL REQUIREMENTS

- Power over Ethernet (IEEE 802.3af), mode A & B
- PoE Class 1 device
- Typical power consumption: 3W per unit
- External power outlet (power supply must be ordered separately)

### PHYSICAL CHARACTERISTICS

- Size: 100 x 100 x 38 mm (3.9 x 3.9 x 1.5 in.)
- Weight: 120 gr. (4.2 oz.)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- The server can be mounted upside down

### INTEROPERABILITY

- For information about supported PBX platforms, visit [support.spectralink.com](http://support.spectralink.com).

### IP-DECT SERVER 400 / CISCO SKUs

- SP-SLNK-400-SR (EMEA, Australia, New Zealand)
- SP-SLNK-400-SR-NA (North America)

### Learn More

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



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