Spectralink IP-DECT Server 400

SIP Telephony Solution for Small to Medium-sized Businesses

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 between 12 and 30 wireless users and between six and 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 can be delivered with the new Spectralink external antenna, which is an ideal choice for expanding coverage or creating synchronization over the air in normally inaccessible areas such as freezing rooms, cruise ships or long corridors.

BENEFITS

- In qualification for Microsoft® Lync™ Server
- Upgrade via licenses 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
- External antenna

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

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 all other infrastructure elements
  - Single-cell: 1 x Spectralink IP-DECT Server 400, up to 3 x Spectralink DECT Repeaters (2 or 4 channel multi-cell) 12 wireless users / 6 simultaneous calls
  - Multi-cell: 1 x Spectralink IP-DECT Server 400, up to 6 x Radio infrastructure elements (max 3 x Spectralink IP-DECT Base Station and/or up to 3 x Spectralink DECT Repeaters) (2 or 4 channel multi-cell) 30 wireless users / 12 simultaneous calls
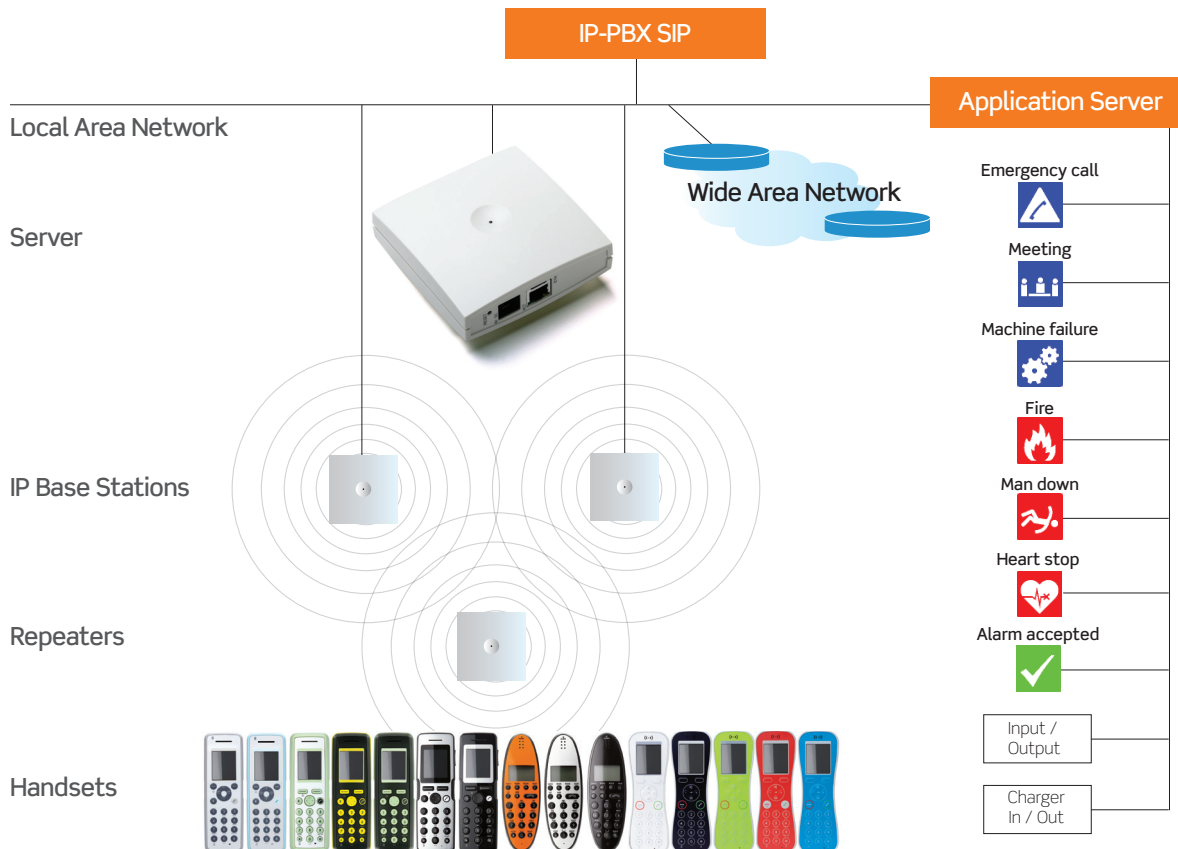
OPTIONAL LICENSES

- 12 speech channels and 30 Users license
- Microsoft® Lync™ license
- Multi-cell license
- G.729 license
- Automatic Alarm Call license

SUPPORTED CODECS

- G.711 A-law and µ-law
- G.726 (32 Kbps - 4 bit ADPCM)
- G.729 (license required)
  - All above mentioned Codecs will have a total maximum of 12 speech channels available

NETWORK AND PROVISIONING

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

IP-PBX SIP

Application Server

Local Area Network

Wide Area Network

Server

Emergency call

Meeting

Machine failure

Fire

Man down

Heart stop

Alarm accepted

IP Base Stations

Repeaters

Input / Output

Charger In / Out

Handsets

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: 66 - 164 ft. (20 - 50 m.)
  – Outdoor: 984 ft. (300 m.)
- Possible to connect external antenna

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: 50º - 104º F (10º - 40º C)
- Storage temperature: -58º - 158º F (-50º - 70º C)
- 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)
- PoE Class 1 device
- Typical power consumption: 3W per unit
- External power outlet (power supply must be ordered separately)

PHYSICAL CHARACTERISTICS

- Size: 3.9 x 3.9 x 1.5 in. (100 x 100 x 38 mm)
- Weight: 4.2 oz (120 gr.)
- 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.

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Learn More

Learn what Spectralink wireless telephones can do for your organization.
Visit us at spectralink.com or contact your Spectralink representative.

spectralink.com
info@spectralink.com
+1 800-775-5330 North America
+45 7560 2850 EMEA