Spectralink
DECT Base Station

spectralink

DECT wireless coverage in traditional cabling environments; part of Spectralink DECT Server 8000 Multi-cell solution

The Spectralink DECT Base Station provides a wireless coverage area and connects to a central Spectralink DECT 8000 Server over traditional twisted-pair cables. Multiple Spectralink DECT Base Stations can be used to build a vast wireless coverage area with seamless handover and roaming for complete on-site mobility solutions. The Spectralink DECT 8000 Server powers the DECT Base Station via a standard twisted-pair cable. Each Spectralink DECT Base Station requires only one or two pairs of twisted cables, which can be up to 2,400 meters (7,800 feet), allowing for extensive coverage.

Each Spectralink DECT Base Station provides up to 50 meters (150 feet) indoors and 300 meters (1,000 feet) in open space. The actual size of the coverage area depends on how open or enclosed an area is, with walls and other obstructions reducing radio coverage. Before installation, a site survey needs to be conducted to accurately define the number and positions of Spectralink DECT Base Stations required to achieve desired coverage. An optional External Antenna can be attached to extend or direct radio coverage where needed.

The DECT Base Station is available in both four and eight Channel models and must be used with the Spectralink DECT Server 8000.

Specifications

System Capacity

- Max. number of simultaneous calls: four or eight

Radio Interface

- Average transmit power: typical 5mW/ch. (US), 10mW/ch. (EU)
- Peak transmit power: typical 125mW (US), 250mW (EU)
- Receiver sensitivity: typical -90 dBm.
- Typical range (circular coverage area):
  - Indoor: Up to 50m distance (150 feet)
  - Open areas: Up to 300m distance (1,000 feet)
- Full slot DECT radio (12 channels)

Radio Approvals

- EN 301 406
- FCC RULES PART 15/Subpart D, RSS-213

Electro Magnetic Compatibility (EMC) Approvals (Regulatory Standards)

- EN 301 489-1
- EN 301 489-6

Safety (Regulatory Standards)

- UL62368-1 CAN/CSA-C22.2 No. 62368-1
- EN 62368-1 A11

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

Electrical Requirements

- Power consumption: 0.98W (Max. 1.23W)
- The power supply is 48 VDC, 21mA (Powered via the server)

Environmental Conditions

- Operating temperature: -10 - 55° C (14 - 131° F)
- Relative humidity: Between 20% and 80% (non-condensing)
- The equipment complies with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Physical Characteristics

- Size: 100 x 30 x 100 mm. (3.9 x 1.2 x 3.9 in.)
- Weight: 113 gr. (4 oz.)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- Can be mounted upside down
- Connector type RJ45
- External antenna connector (Only Spectralink external antenna can be used)

Availability

- The Spectralink DECT Base Station is globally available, and is regulatory certified for frequency bands used in North America, Europe, Australia and New Zealand.
- Compatible with RFP5 DECT Base Stations

About Spectralink

As an award winner in mobile technology, Spectralink has been transforming the way our customers work and communicate for 30 years. Through our determination to do extraordinary things, we enable mobile workforces and empower our customers and partners to explore what's next, what's possible. With our enterprise grade, best-in-class mobile solutions, we are with our customers wherever they work, however they need us. Our people, commitment to innovation and our passion are our foundation for success.

spectralink.com

info@spectralink.com

+1 800-775-5330 North America

+45 7560 2850 EMEA

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