Spectralink DECT Base Station

Over the air signaling between the Spectralink DECT Server 2500 and 8000 and Spectralink 7000 Series Handsets

The Spectralink DECT Base Station controls the traffic channels in the air and functions as the link between Spectralink 7000 Series handsets and the Spectralink DECT Server.

The Spectralink DECT Server powers the Spectralink DECT Base Station via a standard twisted pair cable. Each Spectralink DECT Base Station requires only one pair of twisted cables, which can be up to 6,562 feet (2.000 meters).

Each Spectralink DECT Base Station covers a circular area between 164 and 1,968 feet (50 to 600 meters). The size of the coverage area depends on location specifics such as building materials. Before installation, each location needs to be assessed to define the number of Spectralink DECT Base Stations required to achieve desired coverage. An External Antenna can be attached to extend or direct coverage where needed.

The DECT Base Station is available in both 4 and 8 Channels and is used with the Spectralink DECT Server 2500 and 8000.

SPECIFICATIONS

SYSTEM CAPACITY
- Max. number of speech channels: 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: 65.6 - 164 ft. (20-50 m.)
  – outdoor: up to 1968 ft. (600 m.)
- 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)
- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1+ A11

ENVIRONMENTAL CONDITIONS
- Operating temperature: 14 - 131º F (-10 - 55º C)
- Storage temperature: Not tested
- 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 consumption: 0.98W (Max. 1.23W)
- The power supply is 48 VDC, 21mA (Powered via the server)
- Needs a 2/4 connection. Min Cat.5 cable is required

PHYSICAL CHARACTERISTICS
- Size: 3.9 x 1.2 x 3.9 in. (100 x 30 x 100 mm.)
- Weight: 4 oz. (113 gr.)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- Can be mounted up-side 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

Learn More

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