

# Spectralink IP-DECT Base Station



## Multi-cell DECT Wireless Coverage for Spectralink On-site Mobility Solutions

The Spectralink IP-DECT Base Station provides radio coverage and channels for DECT phone calls and connects to any of the Spectralink DECT Servers: IP-DECT Server 400, IP-DECT Server 6500, Virtual IP-DECT Server One, and the DECT 8000.

The Spectralink IP-DECT Base Stations can be powered by Power Over Ethernet (POE) IEEE 802.3af or via an external power supply.

Each Spectralink IP-DECT Base Station has 12 speech channels and provides a typical radio coverage distance: up to 50m indoors or 300m open space (150-1000 feet). Because coverage depends on location specifics such as building materials and interference, a site assessment and site survey before installation is essential to determine the proper number and placement of base stations. Up to three Spectralink DECT Repeaters can also be used to extend radio coverage. An External Antenna can also be attached to extend or direct coverage where needed. The Base Station can be synchronized by Radio (over the air) or by LAN (server license required) to ensure quality call handover and seamless roaming across the entire multi-cell coverage area.

## Specifications

### Network And Provisioning

- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP)
- Time and date synchronization from the Spectralink DECT Server
- Event logging
- LED status indication

### Radio Interface

- RF Output 20 to 24 dBm at the antenna connection
- Sensitivity: typical -90 dBm measured at antenna connection at BER =0.001
- Typical range:
  - Indoor: Up to 50m distance (150 feet)
  - Open areas: 300m distance (1,000 feet)
- Full slot DECT radio (12 channels)

### Electro Magnetic Compatibility (EMC) Approvals (Regulatory Standards)

- EN 301 489-1
- EN 301 489-6
- FCC 47 CFR Part 15, Subpart B

### Safety (Regulatory Standards)

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

### DECT Approval

- EN 301 406

Please check our [support site](#) for the latest approvals and regulatory compliance.

### Electrical Requirements

- Power over Ethernet (IEEE 802.3af), Class 1 device
- Typical power consumption: 2W per unit
- External power supply option available
- External antenna connection (Only Spectralink external antenna can be used)

### Environmental Conditions

- Operating temperature: -10° - 40° C (14° - 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)

### Physical Characteristics

- Size: 100 x 38 x 100 mm (3.9 x 1.2 x 3.9 in.)
- Weight: 120 gr. (4.2 oz)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- Can be mounted upside down

The Spectralink IP-DECT Base Station is regulatory-certified for frequency bands used in North America, Europe, Australia and New Zealand.