Spectralink IP-DECT Server 200

SIP Based Mobility Solution for SOHO, SMB as well as Distributed Enterprise Businesses

BENEFITS

- Supports 12 users and 6 simultaneous calls

- Interoperable with market leading Call Control and Unified Communications (UC/UCaaS) platforms

- Delivers high-quality and secure voice communication

- Supports Enterprise grade security & Management

- Supports DECT Enhanced Security (Encryption)

- Enhance coverage via repeaters and external antenna

- Increases functionality and business efficiency by integrating with Eco-System application partner solutions

- Can be installed in multiple locations to ensure mobility for large geographically distributed enterprise businesses

- Supports entire Spectralink DECT Handset product portfolio

- Optional license for integration with Skype for Business and for enhanced enterprise grade security when connecting to host UC/UCaaS platform.

Spectralink offers an enterprise grade single-cell IP-DECT solution that can grow with your business – providing mobility for users within specific areas of any office environment. The Spectralink IP-DECT Server 200 comes with support for up to 12 wireless users and 6 simultaneous calls – depending on how you setup, configure and deploy your solution. This scalability ensures that the Spectralink IP-DECT Server 200 solution can grow with your business to fit your exact needs, making it a future-proof solution for small to medium-sized businesses.

The Spectralink IP-DECT Server 200 can be deployed as a mobility solution for SOHO/ROBO/SMB businesses, or can be deployed across a series of smaller branch sites or outlets for a large distributed enterprise business such as a retail store chain.

The single-cell solution is designed to be extremely easy to deploy and install. Moreover, it is ideal for integration with all leading hosted UC/UCaaS platforms as the system has been designed with the capability for remote provisioning and configuration, easy firmware roll-out using software update over the air (SUOTA), and wireless users.

The system scales up from 2 to 12 users and when there is a need for coverage across multiple locations, the solution can be easily deployed to support that as well. Radio coverage can be further expanded using up to three (3) repeaters or using Spectralinks' external antenna*, an ideal choice for expanding coverage in normally inaccessible areas such as hallways, freezing rooms, and warehouses.

The single-cell solution has a broad appeal across a number of vertical markets. Businesses requiring a cost-effective yet enterprise grade secure mobility solution will appreciate the simplicity and the range provided by the Spectralink IP-DECT Server 200.

The solution is ideal for users in retail markets, such as stores, car dealerships, fast-food chains, retail banks or smaller health care locations, such as clinics, dental or medical offices, pharmacies and other small businesses.

Spectralink external antenna is the only approved antenna for the Spectralink IP-DECT Server 200. Connecting 3rd party external antennas is not supported and will not work.

PROTOCOL SUPPORT
- Session Initiated Protocol (SIP)
  – Broadcast Messaging
  – Message Service Functions (MSF)
  – XML-RPC
  – OAM-REST-API

SIP VOIP SUPPORT
- Basic call
- CLIP
- Call Hold
- Call Transfer
- Call Waiting
- Music on Hold (MOH)

Note: Additional voice calling features dependent on host SIP-PBX (Call control platform)

OPERATION AND MAINTENANCE
- Web GUI for administration and maintenance of the entire infrastructure
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP v2

SYSTEM ARCHITECTURE
- The Spectralink IP-DECT Server 200 is both a radio unit (RFP) and a SIP integration unit to the host SIP Call Control / UC platform.
- Single-cell configuration ONLY:
  – 1 x Spectralink IP-DECT Server 200 and up to 3 x Spectralink DECT Repeaters (2 or 4 channel multi-cell)
  – 12 wireless users / 6 simultaneous calls (codec independent)

SUPPORTED CODECS
- G.711 A-law and U-law
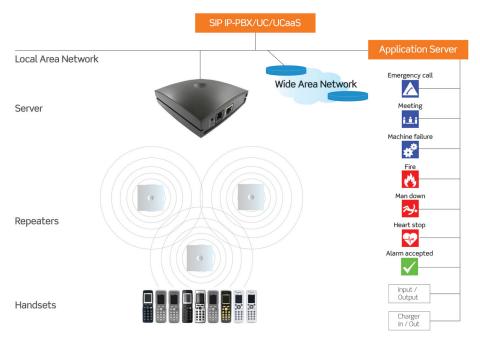- G.726 (32 kbps - 4 bit ADPCM)
- G.729

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

PROVISIONING
- Configuration
- User data
- Server firmware
- Handset firmware

Spectralink IP-DECT Server 200 Configuration

SIP IP-PBX/UC/UCaaS

Application Server

Local Area Network

Wide Area Network

Server

Emergency call

Meeting

Machine failure

Fire

Man down

Repeaters

Heart stop

Alarm accepted

Input / Output

Charger In / Out

Handsets

Note: All Spectralink DECT handsets are fully supported

Note: Please contact Spectralink sales to learn about the various 3rd party Application Server based solutions available from our AIMS eco-system partners.

ENHANCED PROVISIONING

- The unit can be programmed to download its own configuration and user settings as well as handset firmware and then update the handset firmware based on a programmed schedule (e.g. upgrade at 03:00).

Note: Scheduled firmware update to all the handsets is accomplished via SUOTA, providing totally automated firmware roll-out support to update IP-DECT Server 200 and all connected handset.

RADIO INTERFACE

- Average transmit power: typical 5mW/ch (US) or 10mW/ch. (EU)
- Peak transmit power: typical 125mW (US) or 250mW (EU)
- 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. (65 - 165 ft.)
  – Outdoor: 300 m. (1000 ft.)
- Possible to connect external antenna *(Only approved Spectralink external antenna can be used)*

APPLICATION PROTOCOLS

- XML-RPC API supporting:
  – Broadcast Messaging
  – Message Service Functions (MSF)

ELECTRO MAGNETIC COMPATIBILITY (EMC) APPROVALS (REGULATORY STANDARDS)

- *E*MC: EN 301 489 - 1
- EMC: 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
- Safety: EN 60950 - 1

DECT RADIO APPROVAL

- EN 301 406

Note: For latest approvals and regulatory compliance, please check our website.

ENVIRONMENTAL CONDITIONS

- Operating temperature: 10º - 40º C (50º - 104º F)
- Storage temperature: -50º - 70º C (-58º - 158º F)
- Relative humidity: between 20% and 80% (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2011/65/EU (RoHS) and 2012/19/EU (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 43 mm (3.94 x 3.94 x 1.69 in.)
- Weight: 120 gr. (4.2 oz)
- Black (Pantone Black)
- Wall-mountable, indoor
- The server can be mounted upside down

INTEROPERABILITY

- For information about supported Call Control / Unified Communications (UC) (PBX and IP-PBX) platforms, visit support.spectralink.com.

ORDERING INFORMATION

Please contact your local Spectralink partner for minimum order quantity (MoQ) and pricing information.

#	SKU	PRODUCT DESCRIPTION
1	72345600	Spectralink IP-DECT Server 200, 1G8. *Note: If not using PoE Switch, please order power supply separately.*
2	72345601	Spectralink IP-DECT Server 200, 1G9. *Note: If not using PoE Switch, please order power supply separately.*

About Spectralink

Spectralink delivers secure, cost-effective mobile communication solutions that empower enterprises to streamline operations, increase their revenues and deliver a positive customer experience – each and every time. Since 1990, Spectralink has deployed millions of devices worldwide across the retail, healthcare, hospitality and manufacturing sectors – providing workers with the industry's most efficient, in-building communications.

For more information, visit spectralink.com or call 303.441.7500.

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