IP-DECT Server 6500

SIP Enabled DECT Wireless Mobility for Medium to Large Enterprises

BENEFITS

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

- Redundancy makes it possible to deploy a Spectralink IP-DECT Server 6500 solution as a load-balancing cluster of two servers with automatic failover increasing High Availability

- Provides branch survivability – if connection with host UC/UCaaS platform is lost.

- Increases business efficiency by integrating application systems and business processes

- Maximizes employee availability using simple, reliable, and durable devices

- Single web portal for administration and maintenance

- 19" rack mounted solution to fit IT infrastructure

- Allows for synchronization via air or LAN (Local Area Network)

The Spectralink IP-DECT Server 6500 is an ideal Enterprise grade mobility solution for businesses requiring radio coverage over a large geographical area or to equip a large number of mobile employees with DECT wireless telephony. The Spectralink IP-DECT Server 6500 solution consists of a number of different infrastructure elements which can be assembled to exactly match the wireless needs of your business today and to support any future organizational growth. This makes the Spectralink IP-DECT Server 6500 an ideal and future-proof choice for large organizations, enterprises, and fast-growing businesses.

The Spectralink IP-DECT Server 6500 solution can fulfill in-building wireless telephony needs of up to 4,095 mobile employees. And, with flexible license options, businesses only need to pay for the features and users they need.

The modular add-on nature of the Spectralink IP-DECT Server 6500 options makes it easy to increase the number of voice channels and/or geographical radio coverage. Add additional voice channels with the Spectralink Media Resource and expand the radio coverage with the Spectralink IP-DECT Base Stations, as required.

Whether it is the number of mobile employees, the number of available voice channels, or the need for growing and greater geographical reach, the Spectralink IP-DECT Server 6500 can fulfill your business' current and future DECT wireless mobility needs and requirements.

Spectralink IP-DECT Server 6500 Configuration
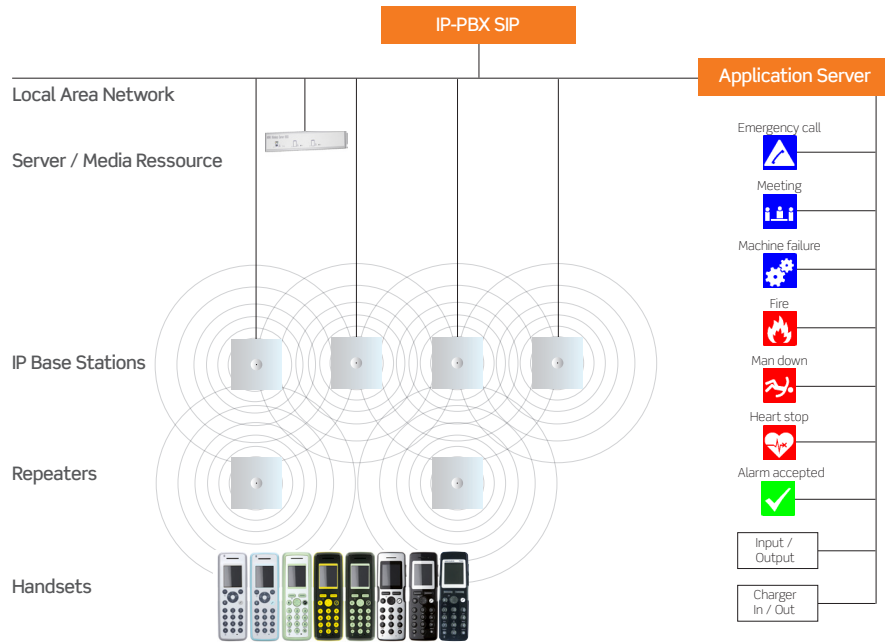
PROTOCOL SUPPORT
- Session Initiated Protocol (SIP)
- Broadcast Messaging
- Message Service Functions (MSF)
- XML-RPC
- OAM-REST-API

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

Note: Additional advanced telephony solution available depending on integration with host SIP-PBX (Call control platform)

OPERATION AND MAINTENANCE
- Web GUI for administration and maintenance of the entire infrastructure
- Provisioning, maintenance, and supervision of all infrastructure components and Spectralink 7000 handsets in the solution
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP

SYSTEM ARCHITECTURE
- The Spectralink IP-DECT Server 6500 is a control unit acting as a SIP integration unit to the host SIP Call Control / UC (IP-PBX) platform, which also controls and handles all other infrastructure elements
- Max. no. of:
  - Spectralink IP-DECT IP Base Stations: 1024
  - Simultaneous calls on each IP-DECT Base Station: 11
  - Spectralink Repeaters on each IP-DECT Base Station: 3
  - Spectralink Media Resources: 32
  - Simultaneous calls with one Media Resource (G.711): 32
  - Simultaneous calls with 32 Media Resources: 1,024
- Registered Spectralink 7000 handsets: scalable to 4,095 stepwise: 30 users, 150 users, 500 users, 1,500 users, 4,096 users

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

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

PROVISIONING

- Configuration
- User data
- Server firmware
- Base station firmware (License required)
- Handset firmware (License required)

APPROVALS (REGULATORY STANDARDS)

- EN55022
- EN55024: A, A2
- FCC RULES, CRF47, PART15, class B digital device

SAFETY (REGULATORY STANDARDS)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- UL File NO: E170690
- IEC 60950-1
- AS/NZS 60950-1
- EN60950-1

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

ENVIRONMENTAL CONDITIONS

- Operating temperature: 50 - 104º F (10 - 40º C)
- Storage temperature: 58 - 158º F (-50 - 70º C)
- 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

- The supplied power for unit must be 110 to 240 AC nominal, 50/60 Hz

PHYSICAL CHARACTERISTICS

- Size: 17.3 x 7.8 x 1.7 in. (440 x 199 x 44 mm)
- Weight: 83.0 oz (2,354 gr.)
- Grey
- Rack and wall-mountable, indoor
- IP20

INTEROPERABILITY

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

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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