

Spectralink IP-DECT Server 6500

DECT Wireless Telephony for Medium to Large Businesses



BENEFITS

- Interoperable with market leaders in tele-communications
- Redundancy makes it possible to deploy a Spectralink IP-DECT Server 6500 solution as a load-balancing cluster of two servers with automatic failover
- Increases business efficiency by integrating application systems and business processes
- Maximises employee availability using simple, reliable, and durable devices
- Single web portal for administration and maintenance
- 19" rack solution
- Allows for synchronization via air or LAN (Local Area Network)

The Spectralink IP-DECT Server 6500 is an ideal solution for radio coverage over a large geographical area or to equip a large number of mobile employees with wireless telephony – or both. 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 today and to suit any future organisational changes. This makes the Spectralink IP-DECT Server 6500 an ideal and future-proof choice for large organisations, enterprises, and fast-growing businesses.

The Spectralink IP-DECT Server 6500 solution can fulfill wireless needs of up to 4,096 mobile employees. And, with the flexible license option, you only pay for the features and users you need.

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

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

SPECIFICATIONS

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 SIP IP-PBX, which also controls and handles all other infrastructure elements
- Max. no. of:
 - Spectralink IP-DECT IP Base Stations: 1024
 - Simultaneous calls on each Spectralink IP-DECT Base Station: 11
 - Spectralink Repeaters on each Spectralink IP-DECT Base Station: 3
 - Spectralink Media Resources: 32
 - Simultaneous calls with one Spectralink Media Resource (G.711): 32
 - Simultaneous calls with 32 Spectralink Media Resources: 1,024
- Registered Spectralink 7000 handsets: scalable to 4,096 stepwise: 30 users, 150 users, 500 users, 1,500 users, 4,096 users

SUPPORTED CODECS

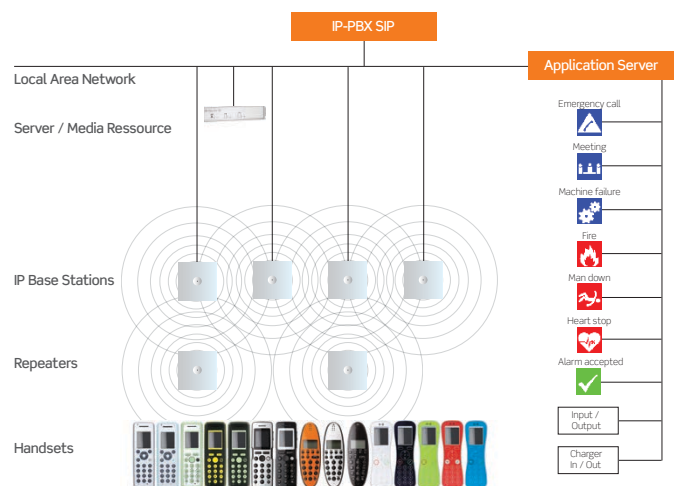
- G.711 A-law and μ -law
- G.726 (32 kbps - 4 bit ADPCM)
- G.729 (License required)

NETWORK AND PROVISIONING

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

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
- EN60950-1

ENVIRONMENTAL CONDITIONS

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

- 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 PBX platforms, visit the [Support Portal](#).

Learn More

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



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