

CS600-IPL

Supplementary information
Telephony & cordless



CS600-IPL is approved by the Cisco AVVID approvals programme to integrate with Cisco Skinny telephone systems as an adjunct DECT solution.

With a maximum capacity of 256 base stations and 1500 DECT users, this system is an ideal DECT solution for retail, industry, manufacturing and private or public healthcare, where the customer has an existing Cisco telephone system, or is planning to install one in the future.

Full scalability for IP wireless solutions

Available as either a single-cell or a multi-cell solution, the CS600-IPL can be sized to fit the exact needs of the individual customer. Multi-cell solutions utilise a master wireless server for synchronisation and LDAP server for registration and user data. A backup IP master or LDAP server can be utilised for added resilience.

The IP technology interface to the PABX makes it an ideal solution for businesses with several locations. A multi-site solution can be easily customised with a number of single-cell and multi-cell sites depending on the size of each individual location. Whenever there is a need for more than one CS600-IPL at a location, a wireless server is needed and the location is considered to be multi-cell.

Protocols supported

CS600-IPL supports Cisco Skinny (SCCP) and SIP connections to the PABX, and is approved to operate with the Cisco gateway through the Cisco AVVID programme. Operation with other IP-PABX systems will be available in the near future (contact Multitone for specific solution requirements).

DECT handsets

The CS600-IPL supports a range of DECT handsets from the basic CH70 and CH72 for standard requirements, and the CH74 which is approved for use in environments exposed to dust, damp and moisture, to the CH76 which is ATEX approved for use in environments with explosive gas, dust or materials. The CH78 DECT handset is the latest in the range and is lightweight, has a colour screen and supports bluetooth headsets. For users who operate over multiple sites, the handset supports auto login which will automatically log the user on to the local server.



Network requirements

The customer network should be of CAT 5 or CAT 6 standard with QOS standard enabled and Power Over Ethernet (POE) for optimum performance.

Where the solution is deployed over a wide area network, QOS should be used to ensure service delivery. Networks that do not meet the required standard may not provide a satisfactory quality of service.

System administration

Administration of the CS600-IPL is through a browser interface, which is the gateway to the Cisco or other IP-PABX. Administration of DECT handsets can be carried out through the Cisco CallManager or by using the CS600-IPL management terminal.

Wireless repeaters

A single cell system will support up to 6 wireless repeaters. A multi-cell system will support up to 256 radio units comprising of base stations and repeaters. Base stations may be mains powered or POE. Each repeater requires mains power.

Technical specification

Features: all protocols (Cisco Skinny, H.323 (Innovaphone) and SIP)

- Up to 1500 wireless users may be registered
- Up to 256 wireless server base stations in one network cluster
- Synchronisation of base stations over the air
- Built-in redundancy
- Power over LAN (POE)
- Call transfer
- Call hold
- CLIP
- Music on hold
- One RJ45 for 100 Megabit connection to Ethernet
- Browser configured - no additional SW needed
- Codec G.711 and G.729

Additional features for H.323 (Innovaphone)

- Internal/external ring pattern
- Conferencing (participation)
- Call forward

Additional features for Cisco Skinny protocol

- CUCM v. 6.1, 6.0, 5.1, 5.0
- CCM v. 4.2, 4.1
- CCME v. 4.1, 4.0, 3.0
- Internal/external ring pattern
- Conferencing (participation)
- Caller ID name and number (CCM v. 4.1.3 and 4.2.1)
- Group pick-up (CCM only)
- Call waiting (CCME only)

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