zenitel

DATASHEET



1018613

S1000 IP DECT Server & Base station

IP-DECT Server & Base PoE for KWS

- Integrated IP-DECT server and base station platform
- Supports up to 4,000 handsets and 1,000 base stations per server
- 12 radio channels and 12 media channels per S1000 unit
- Power over Ethernet (PoE), IEEE 802.3af
- Indoor range up to 50 metres and outdoor range up to 300 metres
- Secure DECT voice communication with AES-128 encryption and re-keying during calls
- Integration with Microsoft Teams SIP Gateway and Cisco Unified Communications Manager
- Centralised configuration and maintenance through AMIE for IP-DECT
- S1000 Offline Functionality – Upcoming Release
  - Spektralink plans to release an official offline version of the S1000 in 2028. This version will allow users to generate licences independently, without requiring an online connection. Until this release is available, the S1000 can be used as a base station in KWS6500 and KWS400 systems.
- Software Requirements
  - Support for S1000 base stations was introduced in software version PCS25Bb. To use the S1000 as a base station, the system must be running PCS25Bb or later, and valid Software Assurance is required. An upgrade is therefore necessary if the system is running an earlier software version.

Description

The S1000 IP-DECT Server & Base PoE is a scalable IP-DECT platform from Spectralink, designed to support wireless voice communication across enterprise environments. It combines server, base station and media resources in one unit, simplifying deployment and allowing the system to expand as requirements grow.

The platform supports up to 4,000 handsets and 1,000 base stations per server. Each S1000 unit provides 12 radio channels and 12 media channels, with radio and LAN synchronisation supporting seamless handover and roaming between base stations.

S1000 IP-DECT Server & Base PoE

Power and network connectivity are provided through a 10/100 Mbps Ethernet connection, with PoE support according to IEEE 802.3af. An external power supply is also listed in the manufacturer's technical documentation.

Security features include Enhanced DECT Security Step B with AES-128 encryption, re-keying during calls, TLS 1.3 and Secure RTP. System configuration and maintenance are supported through AMIE for IP-DECT, including remote software updates, backup and restore.

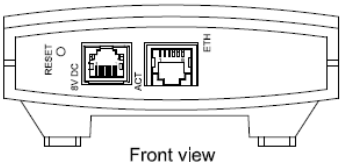
The platform supports integration with Microsoft Teams SIP Gateway, Cisco Unified Communications Manager and third-party telephony platforms using open SIP standards. Integration options and specific functionality depend on the connected system and its configuration.

Technical Dimensions

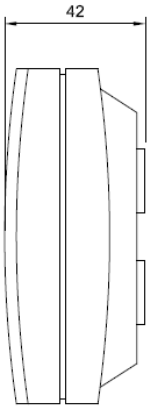
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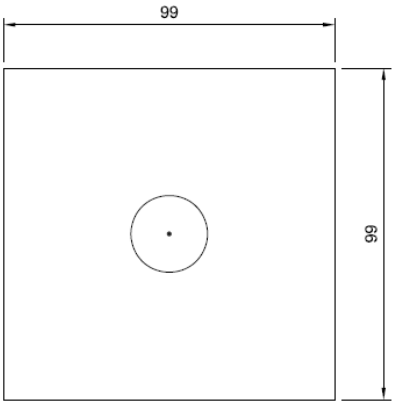
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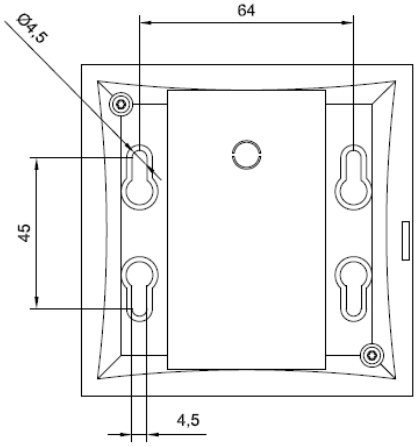
Front view



Side view



Top view



Bottom view

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Specifications

GENERAL	
Size	100 x 100 x 43 mm
Weight	0.12 kg
Operating temperature	-10 to +40°C
Power supply	PoE, IEEE 802.3af; or optional external power supply (item no 2211100225)
Typical power consumption	2W
Number of speech channels	12 radio channels and 12 media channels per S1000 unit
RF Output	20-24 dBm at antenna connection
Typical range	Indoor: up to 50 m, Outdoor: up to 300 m
Frequency Range	EMEA 1880-1900 MHz | North America: 1920–1930 MHz

PRODUCT VARIANTS	
2211000630	IP DECT base PoE for KWS6x00 with 100m leaking cable

ACCESSORIES	
2211100225	Local power supply for IP DECT 400 server and IP DECT base station

Used With



IP DECT Server KWS6500

19-inch rack-mount IP-DECT server with 110–240 V AC power supply

Item Number: 2211020146



CS33 DECT Handset

DECT Handset incl. battery 1G8/1G9, IP54, Bluetooth

Item Number: 1015864



CS35 DECT Handset

DECT Handset incl. battery 1G8/1G9, IP65, Bluetooth

Item Number: 1015866



CS37 DECT Handset

DECT Handset incl. battery 1G8/1G9, IP67, Bluetooth

Item Number: 1015867

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IP DECT Server & Base KWS400 1G9 System, up to 12 Handsets

IP DECT server and base station for cordless communication in Zenitel ACM systems, supporting up to 12 handsets.

Item Number: 2211020151



IP DECT Server & Base KWS400 1G8 System, up to 12 Handsets

IP DECT server and base station for cordless communication in Zenitel ACM systems, supporting up to 12 handsets.

Item Number: 2211020145

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