

Multicellular DECT-over-IP solution for SME

elmeg KWS IP 6000

- Connection to hybrid IP PBX without additional module
- KWS operates as SIP server for the connected IP-PBX
- Up to 11 simultaneous voice channels per IP base station
- 30 registered handsets (opt. 150)
- PoE is supported
- High expandability
- Standard SIP system

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The KWS IP 6000 is an expandable, SIP-based DECT-over-IP multi-cell solution for SMEs. It enables the hybrid series to be upgraded to include a large DECT component without adding more modules. The ICT family requires the VoVPN module.

Product description

- SIP interface with up to 32 voice channels
- Operation of up to 4096 handsets
- Flexible enhancement of DECT coverage / channels with max. 256 IP base stations
- Designed for medium – and large enterprises
- Integration into the company LAN via IP interface
- Complete administration by web portal (configuration, maintenance) of all infrastructure components via Server
- Increases business efficiency by integrating with application systems and business processes
- Maximizes employee availability using simple, reliable, and durable devices
- Single point of administration and maintenance using the SIP Server



KWS IP 6000 is a scalable solution to which infrastructure elements can be added in accordance with changes in business needs. This makes the KWS IP 6000 solution to an ideal choice for fast-growing and large businesses. The KWS IP 6000 solution can fulfill wireless needs of up to 4,096 mobile employees, and can grow with you as your organization expands. A flexible license option allows you to only pay for extra users when you need them. Your business expands, you pay, and you have more mobile users. In its basic version, the infrastructure of the DECT solution consists of the server itself, media resources, IP base stations, and handsets. Should an increasing need for additional voice channels arise, a media resource can easily be added to the solution, which adds further 32 channels to the KIRK Wireless Server 6000 solution per media resource. Also, if you need to extend the radio coverage, you can easily achieve this by adding KIRK IP base stations or KIRK repeaters to the KIRK Wireless Server 6000 solution.

Whether it is the number of mobile employees, the number of available voice channels, or the need for greater geographical coverage that is increasing - the KIRK Wireless Server 6000 can fulfill your business needs and requirements, which makes it a future-proof choice.

Variants

elmeg DECT KWS IP 6000 (5530000022)

DECT o IP System for 30 user (IP Basisstation necessary); scope of delivery: KWS IP 6000, power supply

Features

System	
Components	DECT Server, Media Resource, IP RFP, repeater, handsets
KWS IP 6000 Server	KWS IP 6000 server realizes the SIP integration to the SIP IP-PBX. Also, it controls and handles all other infrastructure elements as: IP Base Stations, Repeaters, handsets, etc. KWS 6000 Server supports 32 Voice Channels and is flexible expandable.
Media Resource	The Media Resource handles the media stream from the SIP server and distributes voice to the IP Base Station.
Media Resource (technical data)	Max. no. of simultaneous calls with one Media Resource (G.711): 32; Max. no. of simultaneous calls with 32 Media Resources: 1,024; Max. 768 simultaneous calls with 32 Media Resources and Codec Module
IP Base Station	A IP Base Station expands the DECT coverage, as well as the numbers of Voice channels. The IP Base Station handles call signalling from the KWS IP 6000 Server over the air to the handsets.
IP Base Station (technical data)	Max. 11 simultaneous Voice calls, max. number of IP Base Stations: 256
Repeater	A Repeater expands the DECT coverage only - without increasing the number of channels.
Repeater (technical data)	The connection to the IP Base Station is cordless. Max. no. of 4-channel Repeaters on each IP Base Station: 3
Max. values	Max. no. of Basestations: 256; Max. no. of registered Handsets: 4,096 (stepwise scalable up to 4.096)

Technical Data	
Protocol	SIP protocol
Supported Codecs	G.711 A-law and μ -law; G.729AB (codec module required)
Network	10/100 Mbps Ethernet port
Provisioning	Manual or DHCP network setup
Date / Time	Time and date synchronization using NTP
Operation and Maintenance	Web portal for administration and maintenance of the entire DECT infrastructure; HTTP / HTTPS; Provisioning, maintenance, etc. of all Handsets (Media Resources optional) and IP base stations
Size	164 x 164 x 54 mm
Weight	360 g
Colour	Grey-white (NCS 0502-Y)
Installation	Wall-mountable, indoor
Radio Interface	Full slot DECT RF part (12 channels), 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 / Outdoor: 300 m.
Power Supply	For KWS IP 6000, IP Base Station, Media Resource: External power supply; 8V/500 mA; 110 / 240 AC, 50/60 Hz.; typical power consumption: 4W per unit

Technical Data

Environmental Conditions	Operating temperature: 10 - 40 °C; Storage temperature: - 50 - 70 °C; Relative humidity: between 20 % and 80 % (non-condensing); Compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)
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Options

Consulting

DECT SITE SURVEY (DL0020)	DECT site survey, incl. expenses and journey in inland, for services abroad additionally travel expenses, max. 8 hrs. on-site incl. benefits according datasheet
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IP DECT System elmeg KWS IP 300 / 6000

elmeg DECT IP-RFP (5530000024)	IP basic station for 11 voice channels, powered by PoE; power supply not included
elmeg DECT G. 729 Codec Module (5530000026)	Expansion module G. 729 codec
elmeg DECT License 150 users (5530000028)	License for expansion of 150 users

Accessories for DECT400 and IP Systems

elmeg DECT handset 2010 compl. (5530000007)	DECT handset, black, with LCD display in black/white (3 rows text or symbols) hands free, headset socket; scope of delivery: handset, charger bay, power supply
elmeg DECT handset 5040 compl. (5530000012)	DECT handset, silver-black with TFT colour display, integrated vibrator, illuminated display, bluetooth, hands free; scope of delivery: handset, charger bay, power supply
elmeg DECT repeater IV compl. (5530000020)	4-channel expansion of the radio range, programmable with DECT repeater programming kit only; scope of delivery: repeater IV, power supply