

Wireless DECT-over-IP Solution for small enterprises

## **elmeg KWS IP 300**

- Connection to hybrid IP PBX without additional module
- IP base station with integrated Inter Working Unit
- PoE is supported
- Up to 4 simultaneous voice channels
- Max. 12 handsets
- Extendible with up to 6 repeater
- Standard SIP system

## elmeg KWS IP 300

### Wireless DECT-over-IP Solution for small enterprises

The KWS IP 300 is a compact, SIP-based DECT-over-IP single-cell solution for up to 12 mobile handsets. The device allows the hybrid series to be upgraded to include a DECT component without adding modules. The ICT family requires the VoVPN module.

#### Product description

KWS 300 is a cordless DECT over IP solution for small to medium-sized businesses, supporting up to 12 wireless users. The infrastructure of the DECT solution consists of the server itself and handsets, wherefore it is very easily installed. SMEs with greater outside areas or several floors can expand the radio coverage, by adding up to 6 repeaters to the DECT server. 4 simultaneous calls can be established. Companies with a number of small offices can easily offer mobility to their employees by installing the KWS IP 300 solution at each location. The DECT solution can be easily integrated into the existing IP infrastructure – hereby administration and maintenance become very easy, costs will be reduced and mobility of the employees will be significantly improved.



#### Variants

**elmeg DECT KWS IP 300** (5530000001)

DECT o IP System for 12 users; scope of delivery: KWS IP 300, powered by PoE; power supply not included

#### Features

System	
Components	DECT Server: KWS IP 300, repeater, handsets
KWS IP 300 Server	KWS IP 300 is a control unit acting as a SIP integration unit to the SIP IP-PBX. Also, it controls and handles all other infrastructure elements like repeaters and handsets. KWS 300 Server is not expandable
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 simultaneous calls: 4; Max. no. of Repeaters: 6; Max. no. of registered Handsets: 12

#### Technical Data

Protocol	SIP protocol
Supported Codecs	G.711 A-law and $\mu$ -law

## Technical Data

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
Size	100 x 100 x 38 mm
Weight	120 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	Power over Ethernet (IEEE 802.3af), PoE Class 1 device, typical power consumption: 1W; Power supply not included
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)

## 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

### 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

### Add-ons

#### ACC-POL-I-1 (600258)

Power over LAN Injector for 1 Access Point, DECT or IP Basic station or KWS IP 300