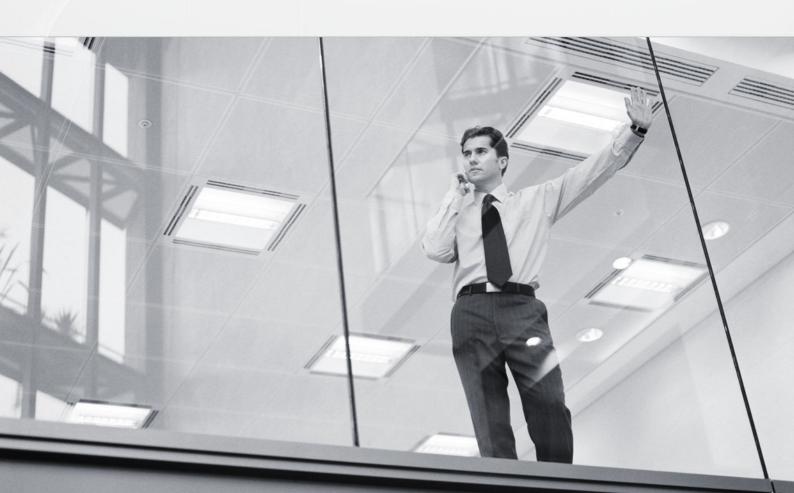# IP SYSTEM PHONE

High-end IP system phone for hybird communication systems

elmeg IP140

- Automated setup via the hybird communication system
- Numerous system features, such as central phone book
- 14 key functions keys with extensions modules up to 56 keys
- 8.9cm (3.5'') TFT color display
- Power supply via PoE or via wall adapter
- No SIP-Client licenses at the hybird system required
- Bluetooth to connect a mobile phone

elmeg IP140

High-end IP system phone for hybird communication systems

The elmeg IP140 is a color display IP system telephone developed to work perfectly with hybird systems. It provides all the important voice features that SMEs need. The hybird handles the entire installation and configuration process for the phones.

Product description

The Gigabit LAN interface is a two-port switch that allows you to use your desktop PC's LAN cable to connect both the system telephone and your PC to the network. No additional cabling installation is required. The telephone can be powered either with PoE or a plug-in AC adapter. The IP140 IP system telephone has been integrated into the hybird telephone system. Unlike a standard SIP telephone, it provides the same advanced system functionality our other system telephones are known for. You can assign numbers to the phones and configure all their most important parameters using the hybird system. Access to the central hybird phone book is set up automatically. The ergonomic navigation keys make it easier to quickly look up entries in the telephone directory. The large 8.9-cm color TFT display can display a photograph of the caller. It also uses colors to indicate which subscribers are active and which are on hold. Users can navigate the clearly-structured menus with the two softkeys beneath the display.

The 14 programmable function keys allow staff to dial their co-workers directly with just the press of a button. LEDs integrated into the function keys clearly display the status of the corresponding extensions. These keys can also be set up for frequently used features. In this case, the LEDs display the status of the respective feature. The IP140 can accept up to three T100 key expansion modules. Three T100 modules provide 42 additional keys, giving the IP140 a total of 56 function keys. In addition, 13 dedicated function keys provide direct access to frequently used features such as headset mode, the phone book, voicemail, and speakerphone mode.

In addition to the features of the elmeg IP130, the IP140 also comes equipped with wireless LAN, DECT, and Bluetooth in a stylish, high-end design. The Bluetooth connectivity does more than simply allow the use of a wireless headset - a connection between a mobile phone and the IP140 can even be established. By connecting a mobile phone, users can then place and receive calls over the mobile phone network directly from the IP140.

Variants

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elmeg IP140 (5530000059)	elmeg IP140, IP system phone according SIP standard, silver, 8.9cm color TFT display, 14 programmable function keys, 2x 10/100/1000 Mbps ETH, Power over Ethernet (PoE), Bluetooth interface, WLAN client integrated, USB interface, 100-240V wall adaptor

Features

Audio	
Headset connection	Headset via Bluetooth®, DECT or RJ-9 socket
Speakerphone	Full-duplex speakerphone in brilliant sound quality
HD-Sound	Wideband HD sound according G.722
Adjustable volume	Adjustable in 10 steps for corded handset, headset, speakerphone and ringer
Hearing aid compability	Comptible to hearing aid (HAC) according FCC
Ringer	20 different MP3 ringing tones avialable, additional MP3 ringing tones loadable

Display and user guidance	
Display setting	Seven step dimmable display backlighting
Night mode	Time-controlled, energy-saving display switch-off
Screen-Saver	Customizable screen saver with pictures, slide-show, company logos, analouge-/digital clock
Language	Multi language support for DE, EN, IT, ES, PT, IT, GR, FR, NL, CZ, PL, SK, RO
Internal phone book	Up to 500 picture vCard entries on internal memory. Entries for first and last name, company, 8 numbers, photo, email, ...
Phone book extension	via USB stick
Search	Quick search via charakters or full text
Central phone book	LPAD standard, automatic integration of the hybird phone book
Caller display	Display of the number, the name and the caller picture
TAPI interface	Direct call from applications
Missed caller list	List of the least 30 missed calls with number and call time
Comfort functions	Redial, Direct dial from listings, pre-dialing with editing

Keypad and Functionality	
Navigation key	Sophisticated five way navigation key with touch-wheel
Keypad	White imlluminated keypad. Function keys has a additional red status LED.
Function keys	14 function key with red status LED
Soft keys	2 soft key bekow the display

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Keypad and Functionality

Quick access keys	For speakerphone, headset, mute, info center, MWI (Message Waiting), voice recording, DND (Do Not Disturb), re-dial, phone book, volume control, home button, hold, conference, call transfer
Quick access keys	Info-Center
Quick access keys	Voice recording
Keypad extension	Up to three keypad extension module with up to 14 illuminated key can be connected

Special features

WLAN Client	WLAN client according 802.11bgn for wireless operation without Ethernet connection
USB 2.0	For connecting a USB memory stick to expand the internal ohone book or for saving the configuration
DECT	DECT for connect a DECT handset
	To connect a Bluetooth headset or to connect a GSM phone to enable the user to make GSM calls via the IP140 (incoming and outgoing).
Email Client	Email client for email notifications
XML Browser	For displaying of online content like news, RSS feeds,…
Internet radio	Quick selection and pre definitions of radio stations

hybird system features

Busy lamp field (BLF)	Status, direct call, pick-up
Message Waiting Indication (MWI)	Notification of voice mails, direct cal to the voice mail box, no MWI in the case that the call is answered from elsewhere
Calling list	Show all calls, show outgoing calls, show incoming calls and show missed calls. Calls there answered from elsewhere are not shown
Display of incoming calls (CLIP)	With number and name, if the information is stored at the central phone book of the hybrid
Anonymous calls (CLIR)	Outgoing call with suppressed number
TAPI	Incoming/Outgoing TAPI calls from appliciations
Supplementary services	Call forwarding, and so on via key pad procedure
Auto provisioning	Automatic detection of new phones at MAC address basis
Auto provisioning	Number assignment via the hybrid configuration
Auto provisioning	The following parameters are automatic configured from the hybrid: Network settings, time server and time zone, SIP account data, LDAP settings
Auto provisioning	Centrallized firmware update via der SD card of the hybrid (in preparation)

Hardware

Dimensions	318 mm (L) x 202 mm (D) x 110 mm (H)

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Hardware

Weight	1100 g without power supply
Power supply	100-240V, 50/60Hz
Hook	Wearless optical hook switch
Colour	Black & Titanium

Technical information

VoIP protocol	SIP (RFC3261, RFC2543)
Number of VoIP account	Up to12
Number of simulanoues calls	Up to 4 simultanoues VoIP calls
Codecs	G.711u/a, G.722, G.729AB, iLBC
Security	SRTP (RFC3711), TLS (RFC2543), SIPS, Auto provisioning via https
Power over Ethernet (PoE)	IEEE 802.3af, Class 3
Internet protocol	IPv4 (RFC0791), IPv6 (RFC2460)
LAN port	2-Port Switch 10/100/1000 Mbit/s
Email support	POP3 (RFC1939), POP3S (RFC2595)
USB	USB2.0, Typ A, host interface with High-/Full-/Low-Speed (100mA)
QoS	RSCP/DiffServ (RFC2474, RFC2475), RTCP
WLAN client	802.11bgn
Bluethooh	Class 2, IEE802.15.1, HFP, HSP
DECT	GAP, CAT-iq2.0, ECO Modus Plus
DHCP	DHCP (RFC2131)
STUN	STUN (RFC3489)
VAD	VAD(Voice Activiy Detection)
CNG	CNG (Comfort Noise Generation)
DNS	DNS SRV (RFC2782)
DTMF	DTMF (in-band), RTP payload (RFC4733), SIP-Info
PCAP	PCAP Tracing
VLAN	VLAN Tagging

Documentation

Manual	User manual in German and English language as PDF download
Quick install guide	Quick installation guide printed in German and English language

Approvals

Approvals

Directive / Standard	Conform with the essential requirements of the directive 1999/5/EC. EN60950, EG202518, EN55022, EN55024, EN61000-3-2, EN61000-3-3

Accessoires

System Phones for elmeg PABXs

elmeg T100 silver (5530000061)	Key extension silver for elmeg IP140 (max. 3 can be connected) with 14 illuminated keys

Add-ons

Gigabit PoE Injector (5530000082)	PoE Injector for LAN 10/100/1000 Mbps, 100-240V, EU plug, output 48V/0.35A; suitable for Access Points, IP phones, etc.

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