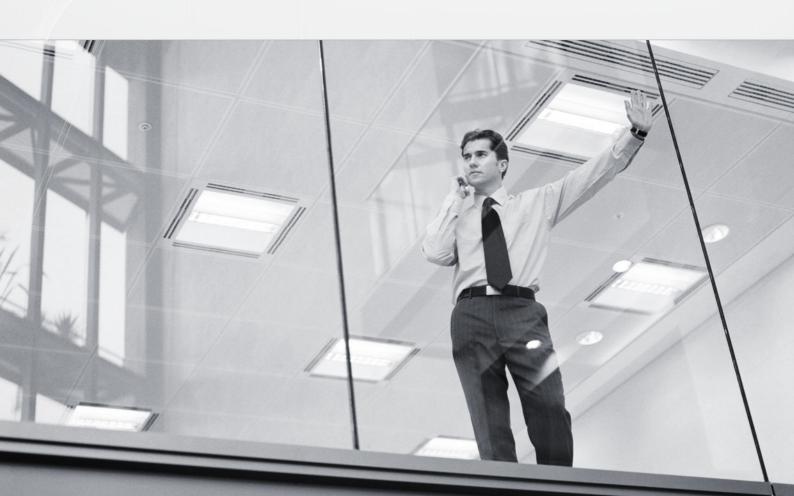# IP SYSTEM PHONE

Economically IP system phone for hybird systems

elmeg IP120

- Automated setup via the hybird communication system
- Numberous system features, such as central phone book
- 7 key functions keys with extensions modules up to 35 keys
- Black/white invertes display with 5 lines
- Power supply via PoE or via wall adapter
- No SIP-Client licenses at the hybird system required

elmeg IP120

Economically IP system phone for hybird systems

The elmeg IP120 is an IP system telephone developed to work perfectly with elmeg hybird systems. It provides all the important voice features that SMEs need. The hybird system handles the entire installation and configuration process for the phones.

Product description

The 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 via PoE or a plug-in AC adapter.
The IP120 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 5-line inverted black-and-white display provides excellent readability. Users can navigate the clearly-structured menus with the two softkeys beneath the display.

The 7 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 IP120 can accept up to two T100 key expansion modules. Two T100 modules provide 28 additional keys, giving the IP120 a total of 35 function keys. In addition, 11 dedicated function keys provide direct access to frequently used features such as headset mode, the phone book, voicemail, and speakerphone mode.

Variants

elmeg IP120 (5530000057)	elmeg IP120, IP system phone according SIP standard, black, LCD with 5 lines, 7 programmable function keys, 2x 10/100 Mbps ETH, Power over Ethernet (PoE), 100-240V wall adaptor

Features

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Audio

Headset connection	Headset via RJ-9 socket
Speakerphone	Full-duplex speakerphone in brilliant sound quality
HD-Sound	Wideband HD sound according G.722
Adjustable volume	Adjustable in 6 steps for corded handset, headset, speakerphone and ringer
Hearing aid compability	Comptible to hearing aid (HAC) according FCC
Ringer	20 different WAV ringing tones avialable, additional WAV ringing tones loadable

Display and user guidance

Display	Adjustable 5-line display b/w inverted with 64x128 pixels
Display setting	Three step dimmable display backlighting
Language	Multi language support for DE, EN, IT, ES, PT, IT, GR, FR, NL, CZ, PL, SK, RO
Internal phone book	Up to 200 entries on internal memory. Possilbe entries: first and last name, 2x office, 2x home, 2x mobile
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 and the name
TAPI interface	Direct call from applications
Missed caller list	List of the least 60 missed calls with number and call time
Comfort functions	Redial, Direct dial from listings, pre-dialing with editing

Keypad and Functionality

Navigation key	Five way navigation key
Function keys	7 function key with red status LED
Soft keys	2 soft key bekow the display
Quick access keys	For speakerphone, headset, mute, MWI (Message Waiting), DND (Do Not Disturb), re-dial, phone book, volume control, home button, hold, conference, call transfer
Keypad extension	Up to two keypad extension module with up to 14 illuminated key can be connected

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

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hybird system features

Display of incoming calls (CLIP)	With number and name, if the information is stored at the central phone book of the hybird
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 hybird configuration
Auto provisioning	The following parameters are automatic configured from the hybird: Network settings, time server and time zone, SIP account data, LDAP settings
Auto provisioning	Centrallized firmware update via der SD card of the hybird (in preparation)

Hardware

Dimensions	278 mm (L) x 202 mm (D) x 88 mm (H)
Weight	900 g without power supply
Power supply	100-240V, 50/60Hz
Hook	Wearless optical hook switch
Colour	Black

Technical information

Wall mounting	Include the shipment
VoIP protocol	SIP (RFC3261, RFC2543)
Number of VoIP account	Up to 6
Number of simulanoues calls	Up to 2 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 Mbit/s
QoS	RSCP/DiffServ (RFC2474, RFC2475), RTCP
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

Technical information

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

Directive / Standard	Conform with the essential requirements of the directive 1999/5/EC. EN60950, EN62311, EG202518, EN301489-1, EN301489-6, EN301406, EN300328

Accessoires

System Phones for elmeg PABXs

elmeg T100 black (5530000060)	Key extension black for elmeg IP120 (max. 2 can be connected) and elmeg IP130 (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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