



FEP - IP

Flush-mounting Phone for VoIP

The flush-mounting phone FEP-IP is designed for the use in a Voice-over-IP (VoIP) environment. Where ever highly available phones are required in a professional environment, FEP-IP is the suitable telephone:

- In control consoles
- As emergency phone
- In warehouses or other self-service zones as centre for customer information
- In IT racks

FEP-IP has an interface for local area networks (LAN) and can be connected to a VoIP-PBX using the standard SIP protocol.

For professional applications with highly available requirements there is an additional interface at the phone, based on ISDN technology. If VoIP doesn't work, a connection to the public network by ISDN remains on-line.

The dimensions of FEP-IP are identical with the FEP-2010, our analogue flush-mounting phone for the tip-/ring-line.

Version options of FEP-IP:

- Handset with magnetic clamp for vertical installation.
- 4 Screw holes for wall or desk mounting. (Opening for assembly: L=260 x W=90 mm)
- Illuminated keypad
- Without keypad (one key only for call init) with programmed call number.
- Handset with Push-to-Talk (PTT) or Push-to-Mute (PTM) key.
- Custom-specific dimensions and surface of the front.

General features of the FEP-IP:

- LAN-interface: Ethernet 10 Base-T (10 Mbit) with IP-Protocol , RJ45 jack
- VoIP-signalling SIP (RFC 3261)
- ISDN basic rate interface S₀ (DSS1-Protocol), RJ45 jack
- DTMF post-dialling according to CCITTQ.23, in case of VoIP inband signalling (transparent)
- Optical call indication
- Switch off option for ringer (in this case optical call indication only)
- 10 short-code dialling destinations
- Repeated dialling
- Callback of unanswered calls (optical indication)
- Remote dialling using TCP/IP connection
- Option: Automatic call to a programmed number after hook-on
- Option: Ringing only on tolerated caller numbers
- remote maintenance by TCP/IP or ISDN
- Front surface / handset colour options :
 - grey (RAL 7032) / grey
 - beige (RAL 1015) / beige
 - red (RAL 3004) / red
 - black (RAL 9005) / black
 - Aluminium anodized natural (C1) / black
- Handset with helix cable, 4 wire, 30 cm length (other length optional), hard-wired to FEP-IP
- Dimension FEP-IP standard:
 - Outer diameter: L=280 x W=110 x H=50 mm
 - Opening for assembly: L=270 x W=100 mm
- PoE according to IEEE 802.3af (K1.1, <3,8W)
- If no PoE available: 12V-DC power supply or mains unit 230V AC

Add-ons for FEP-IP:

- Plastic chassis for wall mount
- Adapter for serial interface



Fig. left: FEP-IP flush mounting phone

Fig. right.: FEP-IP phone with magnetic clamp for handset and wall-mount chassis



V 2.05 Subject to technical changes

FEP - IP with Display

Flush-mounting phone for VoIP with additional features

Special features for FEP-IP with display:

- LCD-Display with backlight, 5 lines
- Navigation for user menu over 4 keys
- Phone directory (100 destinations)
- Up to 15 keys for direct calls (user labeled)
- 2 status LED for direct calls (called, calling, waiting, lost call)
- Interface for headset
- Open listening
- Automatic call accept (Headset or open listening)
- Surface black RAL 9005
- Handset black
- Handset with helix cable, 4 wire, 30 cm length (other length optional), pluggable (RJ 10)
- Desk mount using 4 screw wholes
- Dimension FEP-IP with display:
 - Outer diameter: L=280 x W=190 x H=60 mm
 - Opening for assembly: L=260 x W=170 mm
- IP- patch cable (Cat. 5), 3m length
- PoE according to IEEE 802.3af (KI.2, <6,5W)
- If no PoE available: 12V-DC power supply or mains unit 230V AC



Fig.: FEP-IP with display, keys for direct call and handset with magnetic clamp

Version options of FEP-IP with display:

- Handset with magnetic clamp for vertical installation.
- Handset with Push-to-Talk (PTT) or Push-to-Mute (PTM) key.
- Custom-specific dimensions and surface of the front.

FEP - IP 19"

Flush-mounting phone for 19" Racks

The flush-mounting phone FEP-IP 19" is designed for implementation in a control cabinet. Directly connected to a LAN switch this VoIP-phone is a perfect solution for phone calls in computing rooms

Special features FEP – IP 19“:

- 10 short-code dialling destinations
- Surface black RAL 9005
- Handset black
- Dimension FEP-IP 19“: 2HE
- PoE according to IEEE 802.3af
- If no PoE available: 12V-DC power supply or mains unit 230V AC
- Option: LCD-Display with backlight, phone directory (100 destinations), navigation for user menu over 4 keys



Fig.: FEP – IP 19" for a control cabinet (with option display)

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