

Weatherproof VoIP-Telephone InduTel IP4

Telephone for indoor and outdoor applications, with protective door



Overview

The telephone InduTel IP4 by FHF is characterized by an elegant design for indoor use as well as a high resistance for use in outdoor facilities with non-explosive environments.

The new InduTel IP4 is the ideal device for a number of different operation sites – no matter if exposed to seawater, high humidity or extensive mechanical strain.

Thanks to the protective door, the handset and keypad are always perfectly protected against contamination.

The administration of the InduTel IP4 is carried out using the devices webserver.

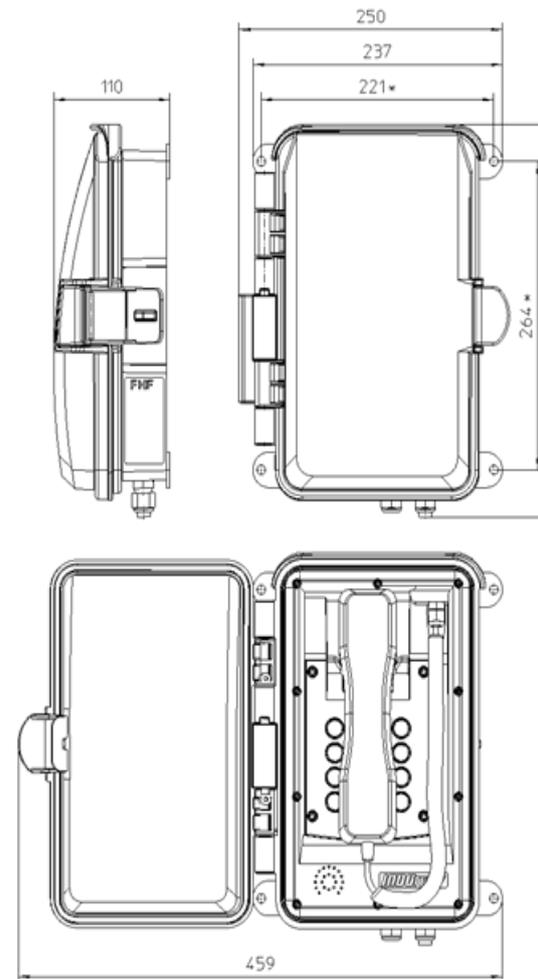
Features

- Protection class IP 66 according to IEC60529
- Ambient temperature -40 °C to +55 °C
- VoIP Protocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, ICE
- Connection to 10/100/1000-BASE-T Ethernet
- Relay built-in (SPST)
- Power supply: PoE or external
- Optical call indication
- Illuminated keypad

Technical data	
Power supply	Power over Ethernet according to IEEE 802.3af via 48 V DC PoE power supply (37V min, 57V max)
Voltage external power	22,8VDC - 48VDC
Power consumption	Class 1 (max. 4 W)
Connection	LAN RJ45 (10/100/1000 Mbit/s), screw terminal
Relay contact	Up to 30 VAC or 53 VDC (max. 15VA) 2A < 30 VDC 1 A > 30 VDC 1 A < 30 VAC
Ringling volume with open housing cover with closed housing cover	Approx. 90 dB(A) in 1 m distance Approx. 65 dB(A) in 1 m distance
Housing	
Material	Polycarbonat
Dimensions (H x W x D)	330 x 237 x 110 mm
Weight	2.3 kg (telephone incl. telephone bracket)
Operating position	Vertical
Receiver	
Mouthpiece	Elektret microphone
Earpiece	Dynamic capsule
Protection class	IP 66 according to IEC60529 (with protective door closed)
Cable gland	2x M16 x 1.5 for cable diameters 5-9 mm
Optical call indication and illuminated keypad	May be enabled/disabled
Ambient temperature	
Operation	-40 °C to +55 °C
Transport and storage	-40 °C to +70 °C

Characteristics	
Protocols	VoIP Protocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDS, DTL), RTCP, ICE
DTMF	In-Band, Out-Of-Band, Event
Additional VoIP features	H.245 fast connect enblock dialing overlapped sending
Security	Encoded password authentication according to H.235
Quality of service	Prioritization of IP packages over TOS and DiffServ, VLAN priority according to IEEE 802.1p/802.1q
Voice codecs	G.711 A-law/ μ -law, G.729A, G.722, OPUS (NB/WB)
Administration	Access using https, Password-protected with secure authentication
Diagnostic tools	Log and trace files (pcap), status displays of interfaces and connections Ping connection test, sending of SNMP traps
Updates	Configuration recording/reading Boot code and firmware update via HTML upload Automatic update via update server
DSL access	PPPoE protocol
VPN	PPP over PPPoE/PPTP
NAT	Yes
DHCP	Client with private option codes, server mode
Call tone generation	Automatic call tone generation according to European and US standard
Multiple registration	Up to 6 registrations
Telephone book	internal, centralized (optional), integration of external data bases via LDAP
Time	DHCP option 42

General arrangement (all dimensions in mm)



Ordering requirements

Type	Designation	Colour	Art.-No.
InduTel IP4	Wall telephone with transparent protective door	Yellow	FHF 114 111 211
InduTel IP4	Wall telephone with transparent protective door	Red	FHF 114 111 212