Weatherproof Telephone FernTel IP

VoIP-Telephone for indoor and outdoor applications

Overview

With approved technology of FHF, the FernTel IP is suitable for outside installtions. The new FernTel IP is the ideal device for every weather and a number of different operation sites – no matter if exposed to seawater, high humidity or extensive mechanical strain.

The elegant housing is made of impact and shock-resistant plastics. Even acids, alkalis or lubricants cannot harm the high-quality components of our versatile desk/wall telephone FernTel IP.

The FernTel IP allows for effective working with high telephoning comfort. The illuminated keypad and display make the comfort complete. The Ethernet connectivity with the internal 2-port switch allows the user to connect a laptop in an outdoor area. The laptop obtains network access through the telephone.
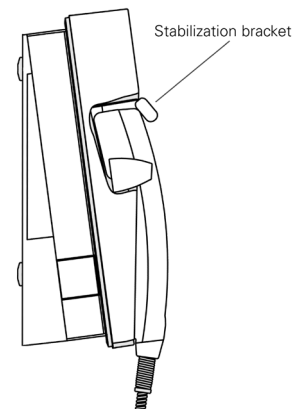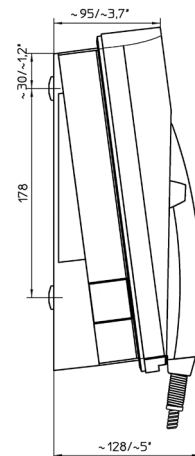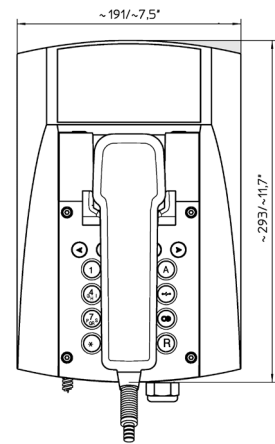
The FernTel IP offers high-quality features on the basis of industrial standards instead of proprietary solutions.

Features

- Ingress protection class IP65 according to IEC60529
- ambient temperature -20°C to +60°C
- Ringing volume >= 95 dB(A) in 1 m distance
- Pixel-based, illuminated LCD display
- Illuminated keypad
- Intelligent and user-friendly menu structure
- Standard protocols H.323, SIP, TSIP, SIPS and H.450
- Power supply Power over Ethernet
- Connection to single RJ45 Port 10/100 BASE-T Ethernet LAN

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Technical data

Power supply	Power over ethernet according to IEEE 802.3af
Connection	2 x RJ45 Ports 10/100-BASE-T Ethernet LAN
Ringing volume	Approx. 95 dB(A) in 1 m distance
Housing	
Material	Polycarbonate
height x width x depth	293 mm x 191 mm x 128 mm
Weight	Approx. 2.3 kg
Operating position	Desk or vertical wall mounting
Display	128 x 64 pixel
Operating temperature	-20 °C to +60 °C
Protection class	IP65 according to IEC 60529
General	H.323 version 4 including H. 225, H.235, H.245 and RAS Gatekeeper routed signalling, H.450 Session Intiation Protocol (SIP) RTP, SRTP real time protocol – for voice data transfer
Protocols	H.323, SIP, TSIP, SIPS and H.450
RTCP	Real time control protocol – first level of "Quality of Service"
RAS protocol	Support for external Gatekeeper
DTMF	H.245 "Alphanumeric" or "Signal Type"
Additional VoIP features	H.245 fast connect Enblock dialing overlapped sending
Security	Encoded password authorization according to H.235
Quality of Service	Prioritization of IP packkages over TOS and DiffServ VLAN priority according to IEEE 802.1p/802.1q
Voice encoding	G.711 A-law/μ-law (64 kbps), G.723.1 (5.3 kbps), G.729A (16 kbps)
Echo Compensation	G.168
Access	Via HTML Web Browser Password protected with secure authentication
Troubleshooting	Log and trace files, status displays of interfaces a connections ping connection test for internet protocol, 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	Tunneling with PPTP encoding via MPPE
NAT	Network Address Translation – for translation of oficial IP addresses into non-official addresses and vice versa
DHCP	Dynamic Host Configuration Protocol – IP Interfaces settings
ICMP	Internet Control Message Protocol – for ping tests
Call Tone Generation	Automatic call tone generation according to European and US standard
Call Transfer	Call Transfer, in all usual variants: with/without consultation call, before/after answer etc.
Call Diversion	Call diversion/redirection
Call Hold	Call hold/retrieve
Call Waiting	Call waiting, with respective indication to calling subscriber
Message Waiting	Message display on telephone
Name Display	To determine the displayed name
Three-party Conference	With 3 subscribers, also external subscribers
Caller ID	For separate indication of call numbers or groups
Multiple Registration	Up to 6 registrations
Telephone Book	Automatic availability of all registrations in central telephone book, Integration of external data bases via LDAP
Time	Exact time information via time server access

General arrangement (all dimensions in mm)

~191/~7,5"
~293/~11,7"

~95/~3,7"
~30/~1,2"
178
~128/~5"

Stabilization bracket

Ordering requirements

*The full article number is made up by appending the colour code to the article numbers given below.

Type	Designation	Model	Art.-No.
FernTel IP	Desk/Wall Telephone	with spiral cord	FHF 112 311 2*
FernTel IP	Desk/Wall Telephone	With armoured cord	FHF 112 331 2*
Accessories			
	Stabilization bracket		FHF 112 390 00
	Weatherproof RJ45 LAN plug		FHF 112 390 01

yellow	1
red	2
grey	7
black	0