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Weather-proof IP66 VoIP SMART industrial telephone, shock-proof IK10 with auto fault-detection & audio test model TEL457T-Sip

HARDYPHONE™ Smart VoIP Release 2.0 - 2023



AVAILABLE COLORS

YELLOW RAL1023	GREY RAL7030	BLACK RAL9005	RED RAL3020	ORANGE RAL2003
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The "457" series of **HARDYPHONE®** is the result of over **25 years of experience** in the design and production of specialized communication terminals, designed to be installed in the most difficult areas of the world: **Off-Shore, Mining, Naval, Steelworks, Railways, Tunnels.**

MTBF: >180.000 hours
MTTR: 3 minutes
IP-rating: IP66 [EN 60529]
Impacts resistance: IK10 [EN 60068]
Max relative humidity: 98% [EN 60068]
Operating temperatures: -40°C ÷ +70°C
Body: aluminum 5mm
Handset: aluminum 3mm
Handset's cord: stainless steel INOX, resistance 200kg
Dimensions: 190x240x117 mm
Weight: 3,6 kg
Cables entrances: 2 holes M20 (1 cablegland + 1 plug)

HARDYPHONE-ip® is a **SMART native VoIP** industrial telephone, with a very strong body made of aluminum (thickness 5mm) vandal resistant and shock proof **IK10**, weather-proof **IP66**.

Designed for **20 years life** in heavy industrial areas. An unusual feature of the **HARDYPHONE-ip®** series is the **handset entirely made of aluminum**, with a stainless steel cord capable of supporting a **pulling force of over 200kg**.

Even the keyboard, with **single aluminum keys**, offers characteristics of high strength and impact resistance.

MAIN CHARACTERISTICS

Equipped with the native VoIP electronic card XCS-182 release 2022-1, HD Voice, DESQO™ ready.

Protocol: SIP

Power: PoE or 12Vdc

SIP Servers: up to 3 SIP servers

Electronic Bell: up to 95dB@1m, adjustable

Hook: magnetic, high protection

Programmable: webpage

EXTENDED KEYPAD

15 keys keypad, with single aluminum buttons, with double function activated by the button Fn:

- 12 buttons (*, #, 0, 1...9)
- R (flash), RP (last number redial)
- Pre-memorized call buttons (M1÷M8)
- Volume adjustment V+, V-
- Hook key (hands-free mode on TEL457TV)
- Door opening button, on DTMF password
- Red LED indicating "on line" or "incoming call"
- Blue LED indicating good state of service
- Noise cancelling circuit

OPTIONAL FUNCTIONS

- External Head-set jack
- Local audio test and Fault-Detection
- Hands-Free Full-Duplex (TEL457TV-VoIP only)
- Booster amplifier for external loudspeaker (supplied@12Vcc)
- Auxiliary hook contact
- Jack for external headset with microphone
- Call repeating relay for external repeaters
- Remote command relay on password DTMF
- Remote diagnostic software TelDia®
- Fault Alarm Relay FAR-01 (needs +12/24Vdc)

AFD - Automatic Fault-detection

AFD is the function of **automatic periodical test** of all the functions and main devices of the telephone, including **audio test of microphone and earpiece**. The state of service is indicated by the flashing **blue LED**. A Fault-Relay module (model FAR-01) is available on demand.

ORDER CODES

TEL457T- Sip: 15 double function keys
TEL457TV- Sip 15 double function keys + Hands-Free
TEL457M0- Sip Without keypad
Option JK Jack for headset
Option R Internal Relay for external repeaters