Industrial ATEX Ex d VoIP telephone with robust IK10 aluminum enclosure for hands-free operation HARDYVOX-ip™ TEL327T-Sip

HARDYVOX-ip™

Ex

REACH COMPLIANT

RoHS COMPLIANT

HARDYVOX-ip™ is a **SMART VoIP (SIP)** Full-Duplex hands-free industrial telephone, realized in a strong explosion-proof **ATEX Exd** aluminum body, **vandal-resistant** and resistant to shocks **IK10**, with **IP65** protection. The family **HARDYVOX-ip™** ensures a **high quality of conversation** in industrial and public environments with **high ambient noise**.

TEL327M6

The **TEL327T** is equipped with **Full-Keypad and display**.

A **big size re-entrant cone loudspeaker Ø136mm** is integrated on the top of the station in order to assure the best performances in very noisy areas. Due to the mechanic construction (protection by syntherized closures) both the microphone and speaker are **non violable from the outside**.

The integrated microphone is equipped with **electronic noise compensation** and **sound compression**.

A progressive adjustment of the microphone sensitivity and the volume level of the built-in speaker is available. The equipment can work both in **Full-Duplex** and in **PTT** (Push-to-Talk) mode. PTT function is a very apreciated option in emergency communications.

Electrical Characteristics

Equipped with the **native VoIP electronic card XCS-182** release 2024-1, HD Voice, DESQO™ ready.
Protocol: .... SIP
Power: ....PoE and/or +12Vdc
SIP Servers: .... up to 3 SIP servers
Loudspeaker: .... built-in 15W-8Ω
Built-in microphone: ....with sound compression
Electronic Bell:.............................. up to 95dB@1m, adjustable
Programmable:...via webpage

Optional functions

DC/DC converter: .... 48Vdc or 24Vdc
Booster amplifier: ....25W - 16Ω (24Vdc)
AFD: .... Auto Fault detection with audio local test
Relay for external repeaters: ....NO/NC (1A)
Audio output: ....0dB audio output
TelDia™:.................................Ready for remote interrogation

Automatic Fault-Detection function:

The telephone can be equipped with the optional function of **"fault detection"**, so that all the parameters of the telephone are periodically tasted, including the audio-test of microphone and loudspeaker. A **Blue LED** is flashing to show that the telephone is in good working conditions. The status of the telephone can be remotely interrogated by the specialized **software TelDia™.**

ORDER CODES

TEL327T-Sip...full telephone keypad
TEL327M1-Sip ....1 button
TEL327M2-Sip ....2 buttons
TEL327M4-Sip .... 4 buttons
TEL327M6-Sip .... 6 buttons
TEL327M8-Sip .... 8 buttons

IP65 · **IK10** · **HANDS-FREE** · **FULL DUPLEX** · CE · EAC

ATEX UE certificate: ICEPI 07ATEX03C012

Ex protection : .... II2GD Ex d IIB+H$_2$ T5 – IP65 (-25°C +55°C)
Shock-Resistance: .... IK10 [EN 60950]
IP rating:.. IP65 [EM 60529]
Material:...................................... Aluminum light-alloy RAL2003
Mounting:..wall brackets
Weight: .... 25 kg
Temperatures range Ex certificate: ....-25°C +55°C
Temperatures range of electronic cards: ....-40°C ÷ +70°C
Dimensions:... see drawing
Power voltage:...PoE and/or 12Vdc
Cable inlets: ....2 x ¾" NPT
Cableglands:..not included
MTBF: ....180.000 hours
MTTR:... <3 minutes