



## JREX106 Explosion-proof VoIP Telephone



### Overview:

The JREX106-SIP are designed to provide safe, reliable communication in hazardous areas. The telephone sets were developed for operation in the petrochemical industrial, usually used in production, transportation and refining of oil, natural gas, coal and etc. The housing is made of impact and shock-resistant GRP and even resistant to acids, alkali and lubricants. Its robust design represents a perfect "packaging" for the latest requirements for VoIP telephones combined with proven reliability for critical mission communications and high safety applications. It is designed to provide ultimate user comfort on the basis of industrial standards and decades of market leading expertise and know-how.

**II 2G Ex e ib [ib] mb IIC T4 Gb**  
**II 2D Ex ib [ib] tb IIIC T135 °Db**  
**-40 °C ≤ Ta ≤ +60 °C/+40 °C**  
**Zone 1,2,22**

### FEATURES and BENEFITS

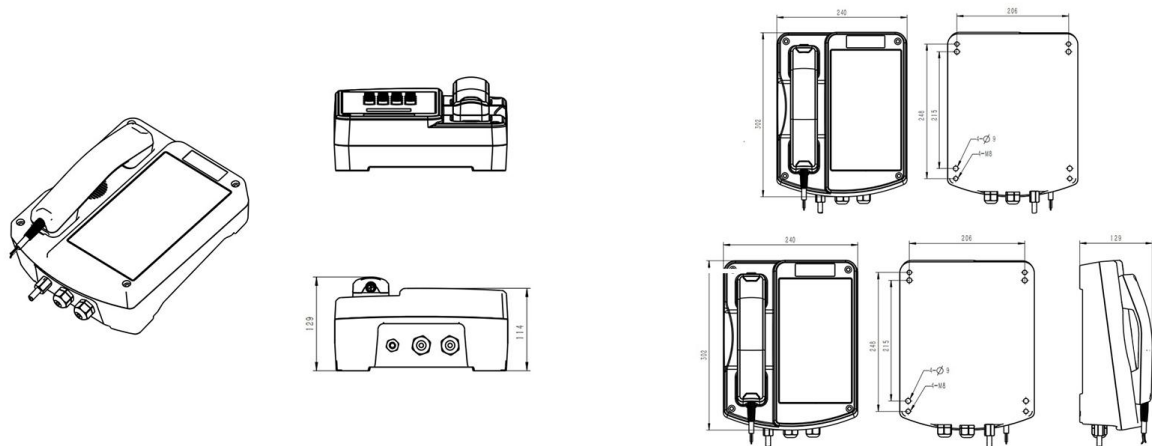
- PoE 802.3af enabled (Power-over-Ethernet) or alternate power source
- Compatible with most SIP-based IP-PBX servers that comply with SIP RFC 3261
- High impact thermoset resin industrial housing and ergonomic heavy duty handset-IP-66 compliant
- Network web management
- Fully configurable through any internet browser or the on-board display. Static IP address provisioning or DHCP
- Product self diagnostic testing available through web interface
- Network adjustable earpiece volume and microphone sensitivity
- Network downloadable firmware
- Remote programming-allows you to manage your network from a central location
- Corrosion resistant hardware
- Noise canceling microphone
- Magnetic reed hook switch to reduce parts subject to wear
- Direct dial to an assigned location
- Programmable auto hang-up timer
- Hearing-aid compatible (HAC) receiver
- Available with vandal resistant armored handset cord or heavy duty curly handset cord
- Two M20 gland entries
- Field repairable by authorized personnel

### APPLICATIONS

- Refineries
- Power Generation Facilities
- Pulp and Paper Mills
- Food Processing Plants
- Chemical Plants
- Material Sites
- Cement Plants and more
- Sewage Plants
- Drilling Rigs
- Hydroelectric Facilities
- Warehouses
- Mines
- Greenhouses



### OVERALL DIMENSIONS



### ENGINEERING SPECIFICATION

#### Electrical Performance:

Network Rate	10/100 Mbps
Protocol	SIP (RFC 3261 Compliant)
Codec	G.711A/u, G.7231 high/low, G.729, G.722
Power Requirements	Power over Ethernet according to IEEE 802.3af over spare cable pair or external supply, 12V DC
Power consumption PoE (class0):	2.5 W
M.T.B.F.	In excess of 50,000 hours using
Lightning /Transients	Protection to ITU-T k.21 enhanced levels

#### Mechanical Specifications

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Housing Material	High Impact Glass fibre-reinforced polyester
Handset Material	High Impact Thermoset Resin Compound
Mounting	Desk or Wall
Ringing volume:	95dB(A)in 1m distance
Microphone	Noise Canceling Electret microphone
Receiver	Hearing Aid Compatible (HAC)
Wiring Access:	2xM20 Cable Gland Entry Points
Net Weight	6.5kg
Shipping Weight	7.5kg
Unit Dimensions	(L x W x D)302x240x129(mm)
Shipping Dimensions	(L x W x D)405x280x170(mm)
Packaging materials	pearl cotton, carton

#### Environmental Conditions

Corrosion Resistant & Dustproof	Full Gasket Faceplate
Operating Temperature	-45° to +70°C
Ingress Protection Rating	IP66 according to EN60529
Impact protection	IK09 according to EN50102
Humidity	0 to 95% RH

#### Approval



This mark indicates compliance with the:  
Radio & Telecommunications Terminal Equipment Directive  
2004/108/EC



This mark indicates compliance with the:  
FCC Part 15 Subpart B Class B



This mark indicates compliance with the:  
II 2G Ex e ib mb IIC T4 Gb  
II 2D Ex ib [ib] tb IIIC T135 °Db

#### ACCESSORIES:



JR-TH-01

Explosion Proof Beacon



JR-EB-01

Explosion Proof Horn



Explosion Proof Junction Box



JR-EH-01

Acoustic hood