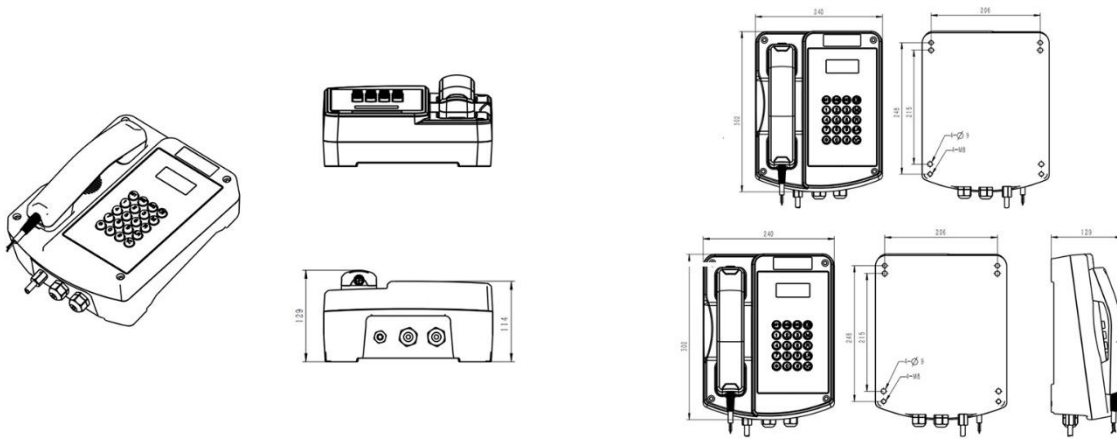## FEATURES and BENEFITS

- 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-IP66 compliant
- Programmable with alphanumeric display and a 20-piece stainless steel keypad
- 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
- Back-lit LCD display–2 line x 15 character: English
- Audio modes–handset and hands-free speaker phone.
- Corrosion resistant hardware
- Noise canceling microphone
- Magnetic reed hook switch to reduce parts subject to wear
- Removable handset retainer latches on cradle
- Large urethane coated watertight metal keypad
- Autodial, memory, mute and menu configuration keys
- Programmable auto hang-up timer
- Hearing-aid compatible (HAC) receiver
- Heavy duty curly handset cord or vandal resistant armored handset cord
- Two M20 gland entries
- Field repairable by authorized personnel

APPLICATIONS

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

Overview:

The JREX106-SIP are designed to provide safe,reliable communication in hazardous areas.the telephones 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.

The telephone device features a display with integrated heating for ultra low temperature environments.

II 2G Ex e ib mb IIC T6 Gb

II 2D Ex ib [ib] tb IIIC T80 Db

-40 °C ≤ Ta ≤ +60 °C

Zone 1,2,22

OVERALL DIMENSIONS

ENGINEERING SPECIFICATION

Electrical Performance:

Network Rate	10/100 Mbps
Protocol	SIP (RFC 3261 Compliant)
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
Connection	Direct connection to LAN or WAN via RJ45 connector
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)
Display	128 x 64 pixels
Hardware Material	Stainless steel
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

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

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

Ex
This mark indicates compliance with the:
II 2G Ex e ib mb IIC T6 Gb
II 2D Ex ib [ib] tb IIIC T80 Db

ACCESSORIES:

JR-EB-01	JR-EH--01	JR-EJB-01	JR-TH-01
Explosion Proof Beacon	Explosion Proof Horn	Explosion Proof Junction Box	Acoustic hood