Explosion proof Telephone

- Aluminum alloy die-casting body
- Protection level IP66 according to IEC60529
- Advanced noise reduction technology for HD calls
- Corrosion-resistant hardware
- It is ATEX, IECEx, EAC and INMETRO standards

MAIN FEATURES

The Explosion Proof Telephone is designed for voice communication in the hostile environment where reliability, efficiency and safety are of prime importance. The telephone can handle the large temperature differences found outdoors, high humidity, exposure to sea water and dust, corrosive atmosphere, explosive gases & particles, as well as mechanical wear and tear, making it perfect for use as an emergency telephone.

The unique robust handset is manufactured from moulded bulk molding compound and designed specifically to withstand arduous use in all environments, armoured cord to provide additional resistance to vandalism or heavy industrial use.
Ideal for chemical plant, oil&gas, onshore and offshore drilling platform, oil refinery, mining, power stations and heavy industry which require very reliable and explosion protection telephony under adverse conditions.

This mark indicates compliance with the:

Ex eb ib [ib Gb] mb IIC T6/T5 Gb
Ex ib [ib Db] tb IIIC T80℃/T95℃ Db
T6/T80℃: -40℃ to +40℃
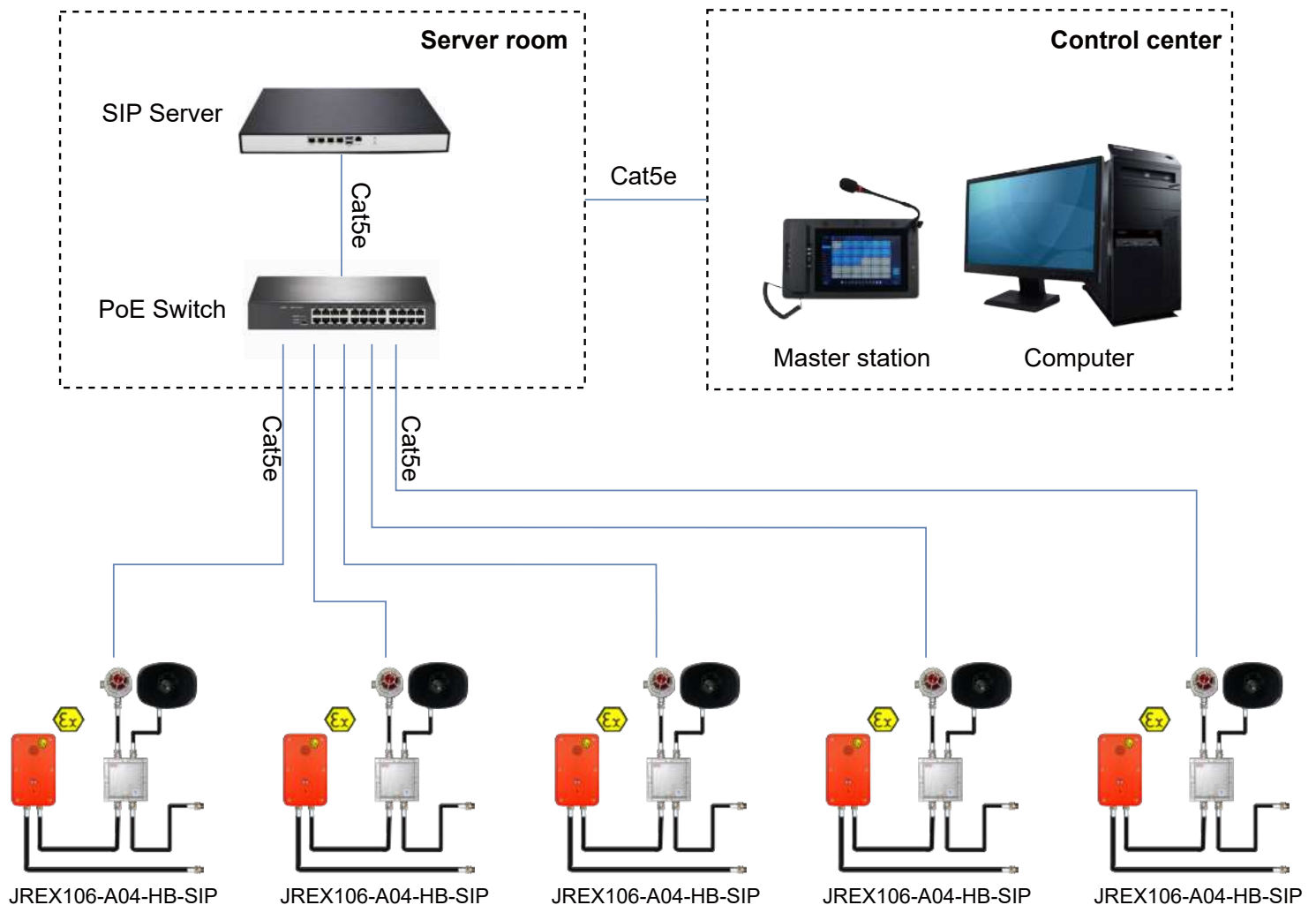**T5/T95℃: -40℃ to +55℃**
Zone 1,2, 22

- Hands-free telephone, one vandal resistant metal button for emergency call
- With LED light, blinking when incoming call
- Noise-cancelling microphone
- Built-in 2W speaker
- Without door cover, supports wall mounting with mounting bar

TECHNICAL SPECIFICATIONS

SIP Specifications	
Power supply	PoE powered or 12V DC powered
Power adapter	100~240VAC 50~60Hz / 12V DC
Power consumption	Idle 1.5W / Working 1.8W
SIP protocol	SIP 2.0 (RFC3261)
Network port parameters	WAN Port: 10/100Base- T RJ-45 for LAN, Auto MDIX，LAN Port: 10/100Base- T RJ-45 for PC, Auto MDIX
Voice coders	G.711 A/U, G.722 8000/16000, G.723, G.729
Communication mode	Full duplex
Ringing volume	90~95 dB (A) @ 1 meter

Technical Specifications
Compatible with most SIP-based IP-PBX servers that comply with SIP RFC 3261
Supports automatic switching between primary and backup servers
Supports remote Telnet debugging
PoE 802.3af enabled (Power-over-Ethernet) or alternate power source
PoE power supply, supports connecting the external loudspeakers (No external power supply needed)
Wiring access, 3xM20 cable gland entry points
Operating temperature -40°C to 65°C / Storage temperature -40°C to 75°C
M.T.B.F. exceeds 50,000 hours under normal operating conditions

Network Web Management
Fully configurable through any internet browser
Static IP address provisioning or DHCP support
Product self-diagnostic testing available through the web interface
Network-adjustable earpiece volume and microphone sensitivity
Firmware upload via web interface
Echo cancellation: Supports G.168, and hands-free can support 96ms
Supports SIP domain, SIP authentication (none, basic, MD5), and DNS name of server
DTMF: SIPINFO, INBAND, RFC2833
Dials Plan: Flexible dial-up configuration, support hotline

Network Features
Supports static IP address
Supports DHCP to obtain an IP adress on WAN port
Supports VLAN
Supports web config
Data Protocols: IPv4, TCP, UDP, ICMP, ARP, DNS and DNS SRV for SIP Signaling

APPLICATION

IP telephony system is an efficient and convenient communication solution that uses Internet connection to implement voice calls and other communication services. Compared with traditional telephone system, IP telephone system has higher efficiency and convenience.

Server room

SIP Server

Cat5e

Control center

PoE Switch

Master station   Computer

Cat5e   Cat5e   Cat5e

JREX106-A04-HB-SIP   JREX106-A04-HB-SIP   JREX106-A04-HB-SIP   JREX106-A04-HB-SIP   JREX106-A04-HB-SIP

OPTIONAL ACCESSORIES

JR-EB-01
Explosion Proof Beacon

JREX-HSA-A
Explosion Proof Horn

JR-EJB-01
Explosion Proof Junction Box

APPLICATION SCENARIOS

Chemical industry

Offshore drilling platform

Oil field
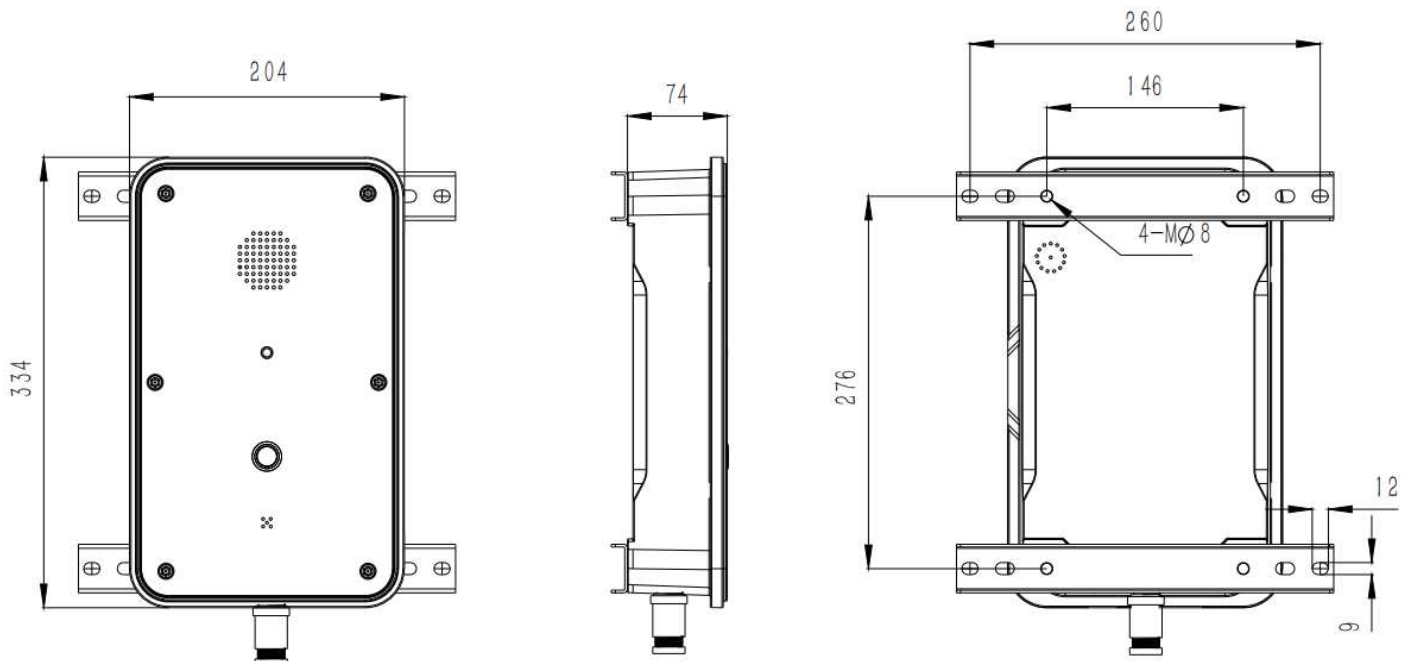
Nuclear power plant

Oil refinery

Mining industry

Heavy industry

Metallurgy

DIMENSIONS

204

334

74

260

146

4-M⌀8

276

12

9

Package	
Unit size	204*334*74 (mm)
Shipping dimensions	200*300*440 (mm)
Packaging materials	Foam padding, carton
Weight	Gross weight: 7 kg / Net weight: 6 kg