J&R TECHNOLOGY

Waterproof Telephone

- SMC housing with UV-resistant powder coating
- Protection level IP66
- Advanced noise reduction technology for HD calls
- Corrosion-resistant hardware
- CE, FCC, RoHS, ISO9001 standards

IP66 | IK10 | HD

MAIN FEATURES

The JR506 is a robust and durable industrial telephone housed in a vandal-resistant, corrosion-proof SMC enclosure. Its anti-tamper design and high shock resistance ensure a long service life with exceptional reliability and stability.

All electronic components are industrial-grade, capable of operating reliably in extreme temperatures ranging from -40°C to +70°C, making it ideal for installations in harsh environments that require high levels of protection.

Specifically designed for internal communication in nuclear power plants, the JR506 features outstanding noise reduction performance. It is also suitable for power plants, large industrial facilities, underground utility tunnels, mining operations, subway platforms, airports, and maritime ports.
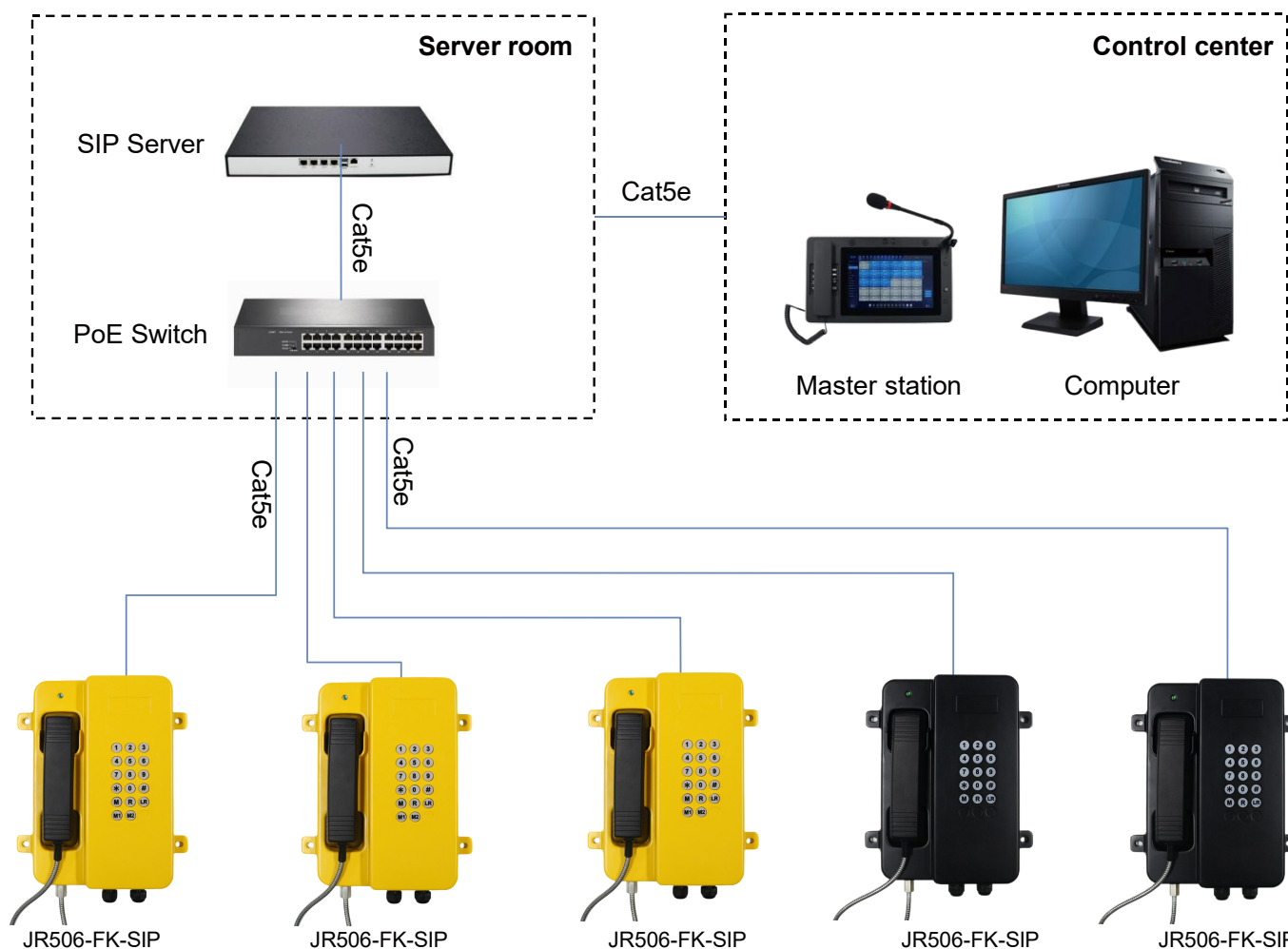
- Full rubber keypad

- "M" for muting

- "R" for flash recall

- "LR" button for last number redial

- Equipped with an LED light that blinks during incoming calls

- Handset with noise-cancelling microphone and heavy duty curly cord

- The handset supports hearing aid compatibility (HAC)

- Magnetic reed hook switch to reduce wear-prone parts

- On wall mounting design, simple installation

- Wiring access, 3xM20 cable gland entry points

- Color: black and yellow available

TECHNICAL SPECIFICATIONS

SIP Specifications	
Power supply	PoE powered or 12V DC powered
Power adapter	100~240VAC 50~60Hz / 12V DC
Power consumption	Idle 1W / Working 2.4W
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
PoE 802.3af enabled (Power-over-Ethernet) or alternate power source
PoE power supply, supports connecting the external loudspeakers (No external power supply needed)
Supports automatic dialing with delay after picking up the phone, and 4 groups of sequential calling
Supports automatic switching between primary and backup servers
Supports remote Telnet debugging
Supports MIC mute function
Supports call transfer
Supports two relays to remotely control external devices
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
WAN/LAN: Supports Bridge mode
Supports static IP address
Supports DHCP to obtain an IP address on WAN port
Supports VLAN
Supports web config
Data Protocols: IPv4, TCP, UDP, ICMP, ARP, RTP, SRTP, ONVIF, SNMPv1, RTCP-XR, 802.1x, Static IP/DHCP IP Assignment,IEEE 802.1p/Q, QoS/ToS, HTTP/HTTPS/DHCP, NTP, FTP/TFTP, CDP/LLDP VLAN Configuration, LDAP

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 systems, IP telephone system has higher efficiency and convenience.
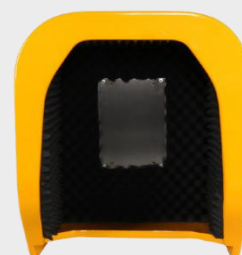

OPTIONAL ACCESSORIES

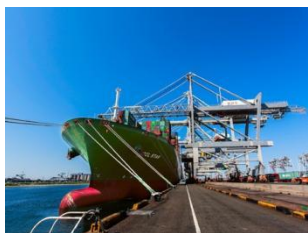| JR-LP-01	JR-LP-02	JR-HSA-10/20/25/30/35	JR-TH-01
LED Light	LED Beacon Light	Broadcast Horn	Acoustic Hood

APPLICATION SCENARIOS

Port

Ship

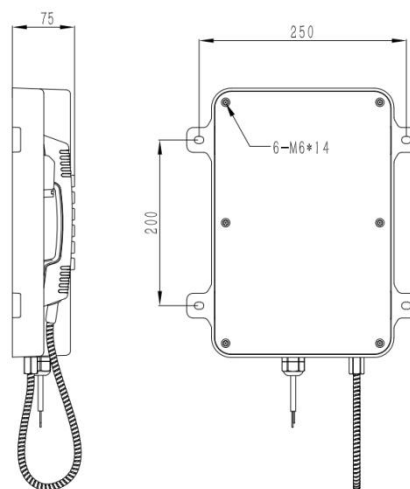Highway / Tunnel

Railway

Generating station

Mining industry

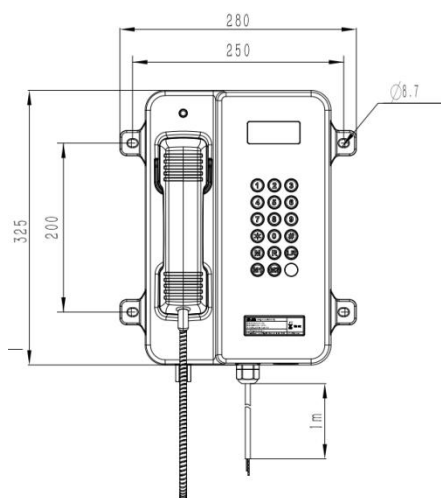Industrial park

Heavy industry

DIMENSIONS

Package	
Unit size	280*325*75 (mm)
Shipping dimensions	320*350*140 (mm)
Packaging materials	Foam padding, carton
Weight	Gross weight: 4 kg / Net weight: 3.5 kg