J&R TECHNOLOGY

Waterproof Telephone

- Aluminum alloy die-casting body
- Protection level IP66/IP67
- Advanced noise reduction technology for HD calls
- Corrosion-resistant hardware
- CE, FCC, RoHS, IK10, IP67, ISO9001 standards

IP67 | IK10 | HD

MAIN FEATURES

It was designed for public and industrial areas requiring a virtually indestructible telephone. The housing is made of die-cast aluminum alloy, with a weatherproof enclosure and an exterior polyurethane finish. It is designed to withstand high levels of humidity, dust, vibration, shock, extreme temperatures, (salt)water, abuse or attempted vandalism.

Typical applications include Outdoor Environments, Public Highways, Underground Tunnels / Mining, Offshore Wind Farms, Production Floors, Chemical Processing Sites, Power Stations or inside large Lifting Machinery such as Quayside Container Cranes, Rubber-Tyred Gantry Cranes (RTGs) and bulk-material Ship Loaders.
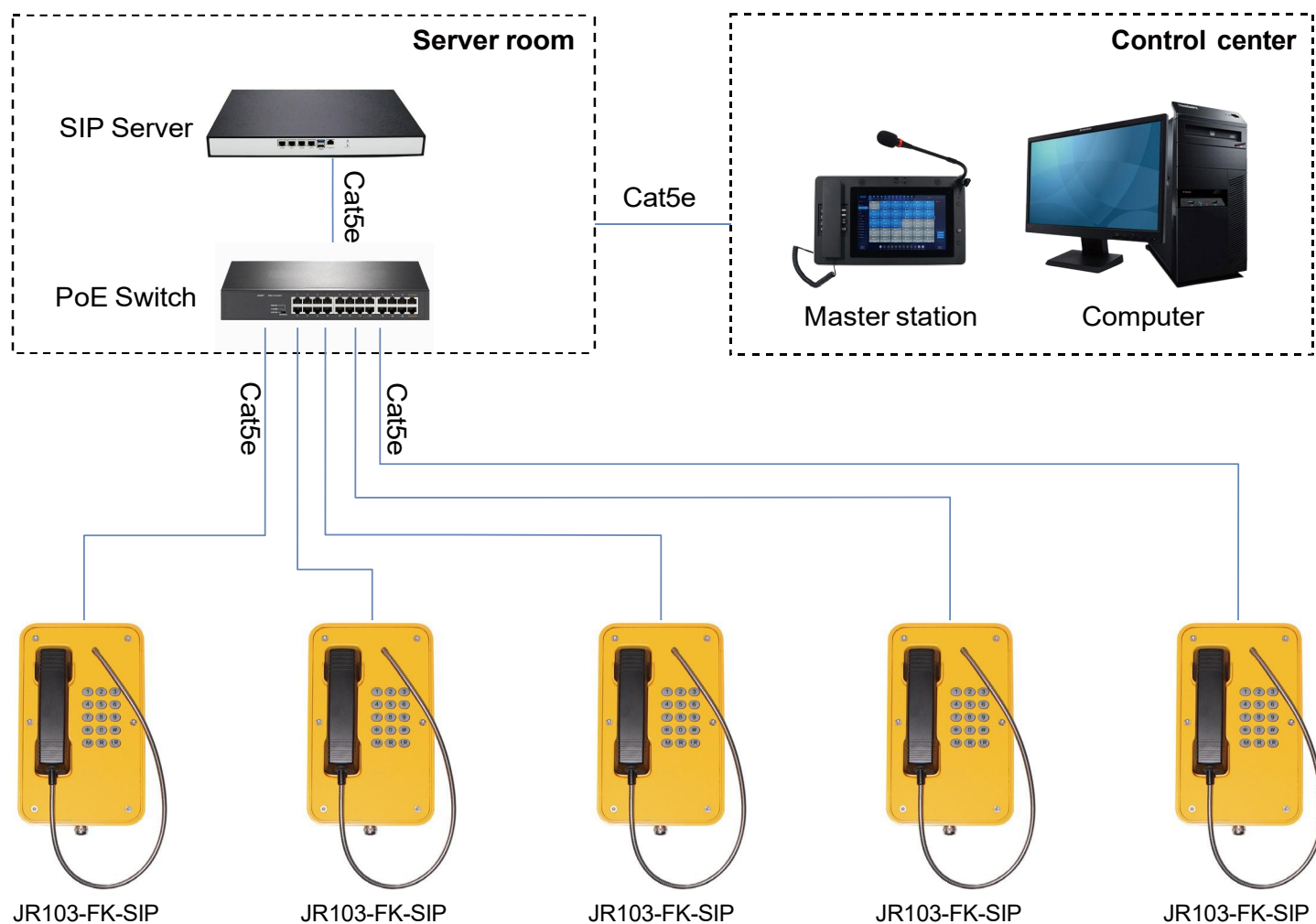
- Full rubber keypad
- "M" for muting
- "R" for flash recall
- "LR" button for last number redial
- Handset with noise-cancelling microphone and 80 cm armored cord (optional heavy duty curly cord)
- The handset supports hearing aid compatibility (HAC)
- Without door cover, supports wall mounting with mounting bar
- Wiring access, 3xM20 cable gland entry points

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 adress 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.

Server room

SIP Server
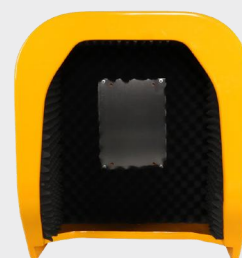
Cat5e

PoE Switch

Cat5e

Control center

Cat5e

Master station   Computer

Cat5e   Cat5e

JR103-FK-SIP   JR103-FK-SIP   JR103-FK-SIP   JR103-FK-SIP   JR103-FK-SIP

OPTIONAL ACCESSORIES

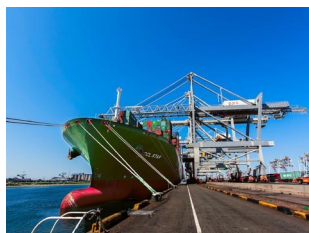JR-LP-01
LED Light

JR-LP-02
LED Beacon Light

JR-HSA-10/20/25/30/35
Broadcast Horn

JR-TH-01
Acoustic Hood

APPLICATION SCENARIOS

Port

Ship

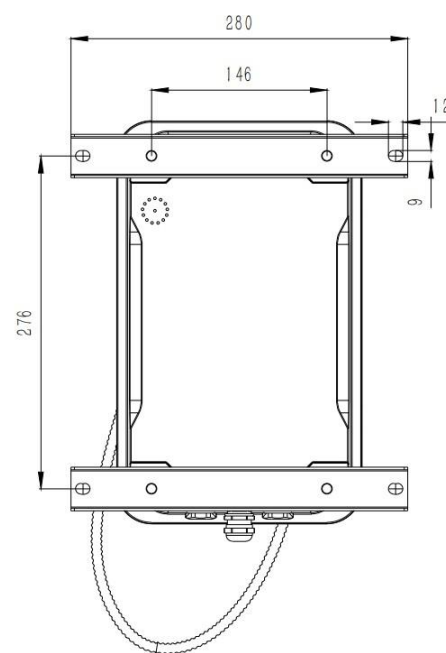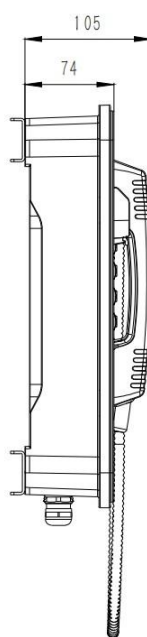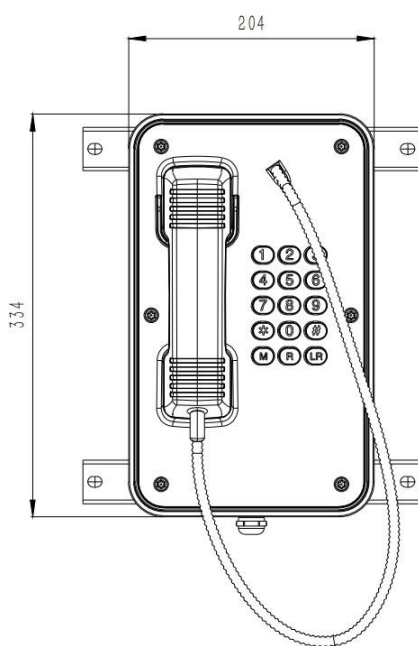Highway / Tunnel

Railway

Generating station

Mining industry

Industrial park

Heavy industry

DIMENSIONS

Package	
Unit size	204*334*105 (mm)
Shipping dimensions	200*300*440 (mm)
Packaging materials	Foam padding, carton
Weight	Gross weight: 6 kg / Net weight: 5 kg