

IP Hands-free Intercom

K20-1



K20-2

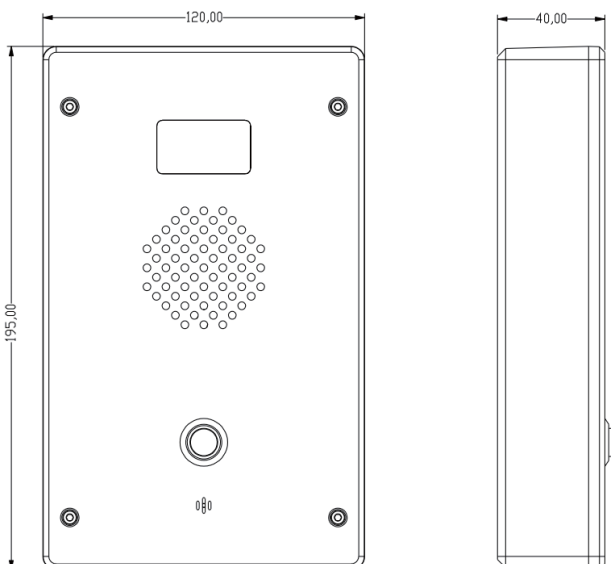


Functional Description

The K20 hands-free intercom features an aluminum alloy housing, offering exceptional durability, corrosion resistance, vandal-proof protection, and high reliability. All electronic components are industrial-grade, ensuring stable operation in extreme temperatures ranging from -40°C to 65°C. Additionally, this series has undergone salt spray testing, making it highly resistant to humid and corrosive environments. Designed for easy installation, the cable entry is located at the rear of the device to prevent tampering.

Ideal for parking lots, hotels, entrances, airports, railway/subway platforms, hospitals, clean rooms, police stations, ATMs, stadiums, and outdoor buildings.

- Standard SIP-compliant intercom
- Noise-canceling microphone
- Built-in 2W speaker
- Protection level IP55-IP65
- Wall-mount design with anti-tamper screws
- (K20-1) One speed-dial backlit button (illuminated during calls)
- (K20-2) Two speed-dial backlit buttons (illuminated during calls)
- Aluminum alloy housing with surface drawing process
- Full-duplex hands-free communication with HD noise reduction technology
- Certified: CE, FCC, RoHS, IK10, IP65, ISO9001



Packaging Specifications

Product dimensions	195 × 120 × 40 mm (L × W × H)
Packaging material	EPE foam lining + carton box

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
Voice codecs	G.711 a / u、G.722 8000/16000、G.723、G.729、G.726
Communication mode	Full duplex
Ringing volume	90 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 external power supply	
Supports automatic switching between primary and backup servers	
Supports remote Telnet debugging	
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	
Network Features	
Automatically broadcasts IP address after successful network connection	
Supports web interface backend, the intercom can be configured through webpage	
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	

