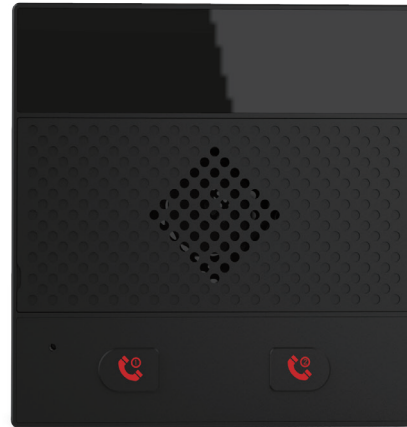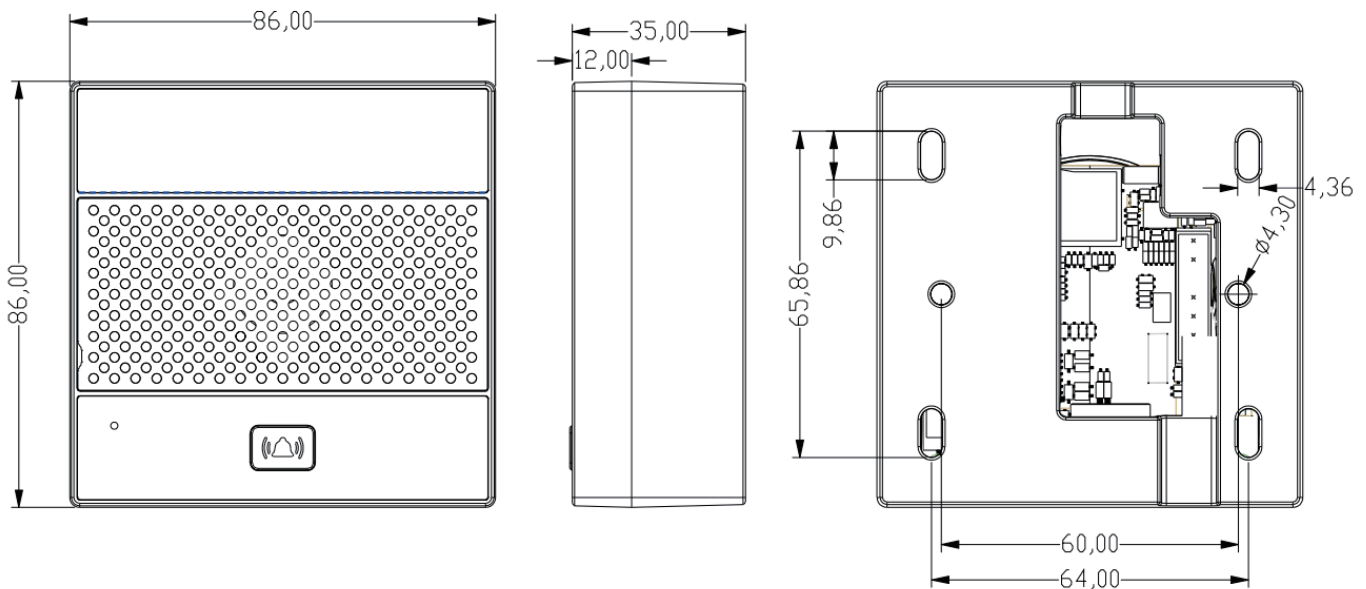# IP Hands-free Intercom Terminal

**K86-1**

**K86-2**

## FUCTIONS

The K86 hands-free intercom terminal, with its compact ABS housing, offers powerful features such as one-touch door release, two-way audio communication, and broadcast notifications, catering to various needs with high cost-effectiveness. It supports wall mounting, has an IP54 protection rating, and is suitable for indoor use, providing reliable communication services.

- Standard SIP telephone
- Simple installation and configuration
- Protection level IP54
- Hands-free and full-duplex, HD audio
- CE, FCC, RoHS, ISO9001 standards
- Dimensions: 86*86*35mm, carton packing

- (K86-1) One speed-dial button with LED indicator (illuminated during calls)
- (K86-2) Two speed-dial buttons with LED indicator (illuminated during calls)
- Noise-canceling microphone
- Built-in 2W speaker
- Designed with a standard 86-size form factor, compatible with standard 86-type flush and surface-mounted electrical boxes, ensuring strong versatility

| 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 coders | 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 |