Fanvil

Intelligent Security Voice Door Phone – i23
The best choice for SIP voice door phone

In-wall   Wall-mounted

Office   School   Airport

Fanvil i23 SIP voice door phone series, carrying Fanvil's 10+ years industrial experience in technology and product design, combing IP technology together with industrial door phone perfectly. I23 SIP voice door phone series can be easily configured in varies application scenarios like office, school, airport, etc.

SIP
Designing in the most popular communication standard protocol – SIP, you needn't worry about compatibility, vendor selection and alteration any more.

Advanced Protection
Strictly follow the high standards of international protection grade, waterproof to IP65, anti-collision reaches IK10.

Security linkage
Two short-circuit input interfaces and two short-circuit output interfaces, safe isolation circuits designed to prevent miss connections.

HD Voice
Wonderful aural enjoying with wideband g.722 coding.

Noise Reduction
Specific processing module for environmental noise reduction. Meanwhile, support long-distance voice pickup as far as 5 meters.

Anti-tamper
Alarming as long as the cover aparts from the housing, meanwhile, reporting to the control center.
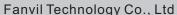
Multi-function
Door phone, intercom and paging to one device.

Wide range temperature adaptability
Applicable temperature ranging from -40 to +70℃, adapting to all kinds of harsh environments.

Generic

- 2 SIP Lines
- PoE enabled
- Full-duplex speakerphone (HF)
- Numeric keypad (dial pad or password input)
- Intelligent DSS keys (speed dial, intercom, etc)
- Integrated noise reduction module with dual MICs
- 1 indoor switch interface
- 1 electric lock relay
- 2 short-circuit output relays(optional)
- Anti-tamper switch
- External power supply
- Status indication with icons: door opening, talking, call incoming, network/SIP working
- Access control: call, password, RFID card, indoor switch
- Door phone, intercom, and paging to one device
- Protection level: IP65, IK10
- Wall mounting/ Flush mounting

Call Features

- Voice intercom
- Speed dial
- Auto-answering (per line)
- Voice message (on server)
- Barge in/ Calls switched automatically
- Local 3-ways conference
- Hotline

Phone Features

- High quality voice calls
- Support SIP 2.0 and related RFCs
- Call logs (dialed/incoming/missed)
- Door access logs
- Support 500 RFID cards
- Programmable DSS keys
- Network Time Synchronization
- Action URL / Active URI

Audio

- Wideband codec: G.722
- Narrowband codec: G.711a/u, G.723.1, G.726-32K, G.729AB
- Full-duplex, Acoustic Echo Canceller (AEC) up to 96ms
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out of Band (RFC2833) / SIP INFO
- Long distance voice pickup up to 5 m

Networking

- 802.3af PoE
- IP Configuration: Static / DHCP / PPPoE

- Network Access Control: 802.1x
- VPN: L2TP / PPTP / IPSec
- VLAN: 802.1p/q
- QoS: DSCP

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- PPPoE
- 802.1x
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- Tr069

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP/TR069/SIP PNP
- Web Management Portal
- Web-based Packet Dump
- Configuration Backup/Restore
- Entry Log Export
- Access Table Export/Import
- Firmware Upgrade
- Syslog (include door access logs)

Physical Specifications

- Buttons:
  Numeric keypad
  1 DSS Key
- Ethernet:
  WAN-- 10/100BASE-Tx with auto-MDIX (RJ45)
  LAN-- 10/100BASE-Tx with auto-MDIX (RJ45)
- PoE: 802.3af, Class 3 (WAN port)
- Main Chipset: Broadcom
- Passive Switch(short-circuit output): NC/NO contacts, max 30V/1A AC/DC
- Active Switch Output: 12V/700mA DC
- RFID/IC Card:EM4100(125kHz),MIFARE ONE(13.56MHz)，NFC(optional)
- Audio Amplifier: 2.4W
- Cables: CAT5 or better
- Power Supply:12V±15%/1A DC or PoE
- Shell Material: Aluminum alloy
- Protection level: IP65, IK10
- Storage Temperature:-40~70℃
- Working Humidity: 10~90%
- Device Dimension: 223 x 130 x 74mm (W x H x L)
- Package Weight:1.85KG

Compatibility