FANVIL i23 SIP Door Phone

The design of i23 Sip Door phone are based on experience and knowledge of Fanvil IP phone development.i23 are using standard IP/RTP/SRTP protocol for voice transmission and enjoy the advantages of fullrange of compatibility.i23 have a variety of enterprise-level features and compatible with lots of major platforms,such as Asterisk,Broadsoft,Elastix,etc.

i23 are made of the high strength aluminum alloy with Cast aluminum bottom and have non-removable hexagon screw to protect the surface shell from being removed.This structure can effectively prevent the i23 from raining,water spraying,dust and reduce man-made damage.Its impact resistant level is up to Ik10 standard.Besides,its water-prooof and dust-proof leve is up to IP65.

i23 adopt the advanced DSP noise reducation algorithms and techniques of omnidirectional sound pickup.During calls,i23 can effectively cancel the background noise.At the same time,it also can optimize the distance of pickups,which guarantees the high voice quality in any case and provides good experience for users.

i23

Highlights

√ Integrate backgroud noise reduction, high-quality audio communication
√ Dusty free on the stainless panel,watter proof followed by IP65, and mechanical design for IK10 approval
√ A quick dial button and backlit keyboard
√ All in ONE-door access, intercom, paging service and Intelligent security
✓ Audio output, available to DVR recording.
✓ With 2-way circuit input, infrared sensor, door sensor, you can connect peripherals suchas motion sensors, panic buttons, to triggering alarm oroutput link age.
✓ With 2 short circuit output, control warning lights, door locks and other devices can be connected through remote DTMF, control commands of the remote server or a 2-way circuit input control.
✓ An external active speaker output connectors to achieve HD quality (G.722) amplifying the background music play.
✓ Tamper switch

Generic

• 2 SIP Lines
• POE Enabled
• Full-duplex speakerphone (HF)
• Numeric keypad (Dial pad and Password input)
• Intelligent DSS Keys (Speed Dial)
• Surface mounted or Flush mounting
• Integrated Noise Reducation
• Omnidirectional pickup
• Integrated indoor switch gear
• Integrated three Relays
• With 2-way circuit input
•With 2 short circuit output
•An external active speaker output connector

•Audio output, available to DVR recording
• External Power Supply
• Access control-by call, code and RFID
• All-in-one door access, Intercom, Paging Service and Intelligent security
• Industrial Standard Certifications: IP65, Ik10, CE/FCC

Call Features

• Intercom
• Speed Dial
• Auto-Answering (per line)
• Voice Message (on server)
• Local 3-way Conference
• Hot Line

Phone Features

- Call log (in/out/missed)
- Open Door Log(150,000 records)
- Access Table (500 entries)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Action URL / Active URI

Audio

- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband CODEC: G.722
- Full-duplex Acoustic Echo Canceller (AEC) – Hands-free Mode, 96ms tail-length
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO
- Omnidirectional pickup: pickup distance 5 m

Networking

- Physical: RJ45 Ethernet Jacket x2: Network x1 (802.3AF POE Enabled), LAN x1 (Bridged to Network)
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / OpenVPN
- VLAN
- QoS

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- PPPoE
- 802.1x
- L2TP (Basic Unencrypted)
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR069

RFCs:

354/1321/1350/1769/1889/1890/2131/2132/2616/2617/2661/2833/2976
/3261/3262/3263/3264/3265/3268/3311/
3489/3711/4346/4566/5630/5865

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 Open Door Log)

Physical Specifications

- Keypad: 13 keys, including
- 12 Standard Phone Digits keys
- 1 Hands-free key or DSS Keys (Speed Dial)
- RJ45 Ethernet Jacket x2: Network x1 (802.3AF POE Enabled), LAN x1 (Bridged to Network)
- PoE: 802.3af (Class 0 - 12.95W) 48V/380mA
- Main Chipset: Broadcom
- Passive Switch: Normally Open and Normally Closed highest at 30V/1A AC/DC
- Active Switched Output: 12V/700mA DC
- Audio Amplifier: 3W
- Cables: CAT5 or better
- Power Supply：12V+-15%/1A DC or PoE
- Shell Material: aluminum alloy
- Protection level: IP65 and Ik10
- Working Temperature:-40~70℃
- Storage Temperature:-40~70℃
- Working Humidity: 10~90%
- Overall Dimension: 159 x 120 x 36mm (W x H x L)
- Package Weight: KG

Company Profile:

Fanvil Technology Co., Ltd. is a professional developer and manufacturer of VoIP products. Fanvil provides VoIP communication devices solutions for small and medium sized businesses, as well as large mission-critical enterprise environments.