i20S SIP Door Phone

The design of i20S Sip Door phone are based on experience and knowledge of Fanvil IP phone development.i20S are using standard IP/RTP/RTSP protocol for voice transmission and enjoy the advantages of full range of compatibility.i20S have a variety of enterprise-level features and compatible with lots of major platforms, such as 3CX, Asterisk, Broadsoft, Elastix, etc.

The i20S SIP door phone is designed for operation in indoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP54).

The i20S is economical devices with triple function(All in 1)- Access control by call, code and RFID card

Highlights

✓ Compatible with standard SIP(RFC3261) protocol and main IPPBX/IMS platform.
✓ Access Control(by call, by code, IC/RFID)
✓ All-in-One(Access Control, Intercom and Broadcasting)
✓ Build-in 3W speaker and AEC, support high quality hand-free communication.
✓ Status indication icon
✓ System online maintenance and management

Generic

- 2 SIP Lines
- POE Enabled
- Full-duplex speakerphone (HF)
- Intelligent DSS Keys (Speed Dial)
- Wall-mount installation
- Integrated RFID Card reader
- Integrated indoor switchgear
- Integrated one Relay
- External Power Supply
- All-in-One: Access Control, Intercom and Broadcasting
- Access control-by call, code, RFID card
- Industrial Standard Certifications: IP54, CE/FCC

Call Features

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

Phone Features

- Open Door Log

- Access Table (500 entries)
- Support RFID Card issues (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)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO

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
- Open VPN
- 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

- 1   DSS Key
- Numeric keypad
- WAN: 10/100BASE-Tx, Auto-MDIX，RJ-45
- PoE: 802.3af(Class 3 - 6.49~12.95W)
- Passive Switch(short-circuit output): NC/NO Contacts, MAX 30V/1A AC/DC
- Active Switch output: 12V/700mA DC
- RFID/IC Card: EM4100 (125KHz)----Standard
  MIFARE ONE (13.56MHz) ----Custom-made
- 1 Indoor door interface
- Main Chipset: Broadcom
- Speaker: 4Ω/3W
- Cables: CAT5 or better
- Power Supply: 12V/1A DC or PoE
- Shell material: Metal panel, ABS sump
- Protection level: IP54
- Working Temperature: -10~60℃
- Storage Temperature: -40~70℃
- Working Humidity: 10~90%
- Device Dimension: 160 x 93 x 35mm
- Package size: 178 x 104 x 55mm
- Device Weight: 300g
- Gross weight: 420g

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. Customers should consult Fanvil's retailers, distributors, or Fanvil directly, if customers have concerns on any feature.
For more information, please visit: www.fanvil.com

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.

Compatibility

Fanvil Technology Co., Ltd
HQ Add: Level 3, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1 Road, 35th District, Bao'An, Shenzhen, 518101 P.R. China
Tel: +86-755-2640-2199   Fax: +86-755-2640-2618   Email: sales@fanvil.com   support@fanvil.com   Beijing Tel:+86-10-5753-6809
Suzhou Tel: +86-512-6592-0605   SEA Tel: +60-3-512-21997