i20S IP Door Phone

The design of i20S IP 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 IP door phone is designed for operation in indoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP65).

The i20S is economical devices with triple function(All in 1)- Access control DTMF, Password, RFID/IC card and Indoor Switch

Highlights

- ✓ Compatible with standard SIP(RFC3261) protocol and main IPPBX/IMS platform.
- ✓ Access Control(DTMF, Password, RFID/IC car, Indoor Switch)
- ✓ All-in-One(Access Control, Intercom and Broadcasting)
- ✓ Built-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
- Duplex speakerphone (HF)
- Intelligent DSS Keys (Speed Dial)
- Wall-mounting
- Integrated RFID/IC Card reader
- Integrated indoor switchgear
- Integrated one Relay
- External Power Supply
- All-in-One: Access Control, Intercom and Broadcasting
- Access control-DTMF, Password, RFID/IC card, Indoor Switch
- Industrial Standard Certifications: IP65, CE/FCC

Call Features

- Intercom
- Speed Dial
- Auto-Answering (per line)

Door Phone Features

- Open Door Log (200 thousand)
- Access Table (5000 entries)
- Support RFID/IC Card issues (5000 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
- Duplex intercom with 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

- Support PoE
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: OpenVPN/L2TP
- 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
- 12 Numeric keypad
- WAN: 10/100BASE-Tx, Auto-MDIX，RJ-45
- Passive Switch(short-circuit output): NC/NO Contacts, DC30V / 1A,

  AC125V / 0.5A
- Active Switch output: 12V/500mA DC
- RFID/IC Card: ID (EM4100,125KHz) & IC(MIFARE ONE,13.56MHz)
- 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: IP65
- Working Temperature: -10~60℃
- Storage Temperature: -40~70℃
- Working Humidity: 10~90%
- Device Weight: 300g
- Gross weight: 420g
- Device Dimension: 160 x 93 x 35mm
- Package size: 209 x 118 x 64mm
- CTN Size: 340 x 250 x 224mm (10 PCS)

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