IP Door Phone

I20S

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.

Highlight

- 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

Specification

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

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

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

Networking
Support PoE
IP Configuration: Static / DHCP / PPPoE
Network Access Control: 802.1x
VPN: OpenVPN/L2TP
VLAN: 802.1p/q
QoS: DSCP

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)

Protocols

- SIP2.0 over UDP / TCP /TLS
- RTP / RTCP /SRTP
- STUN
- DHCP
- PPPoE
- 802.1x
- Open VPN
- SNTP
- FTP / TFTP
- HTTP / HTTPS
- TR069

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°C
- Storage Temperature: -40~70°C
- 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)