

### FANVIL i20T SIP Door Phone

#### A SIP door phone for indoor conditions

The design of i20T Sip Door phone are based on experience and knowledge of Fanvil IP phone development. i20T are using standard IP/RTP/RTSP protocol for voice transmission and enjoy the advantages of full range of compatibility. i20T have a variety of enterprise-level features and compatible with lots of major platforms, such as 3CX, Asterisk, Broadsoft, Elastix, etc. The i20T SIP door phone is designed for operation in indoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP54). The i20T is economical devices with triple function (All in 1)- Access control by call, code and RFID card.



#### Highlights

- ✓ High-quality audio communication
- ✓ A quick dial button and backlit touch keypad
- ✓ Access control-by call, code, RFID card
- ✓ Door access, intercom

#### Generic

- 2 SIP Lines
- POE Enabled
- Full-duplex speakerphone (HF)
- Numeric keypad (Dial pad or Password input)
- Intelligent DSS Keys (Speed Dial)
- Embedded installation
- Integrated RFID Card reader
- Integrated indoor switchgear
- Integrated one Relay
- External Power Supply
- 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

- Call log (900 entries, in/out/missed)
- Open Door Log

- Access Table (300 entries)
- Support RFID Card issues (300 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

- 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/SIP PNP/TR069
- Web Management Portal
- Web-based Packet Dump
- Configuration Backup/Restore
- Open Door Export
- Access Table Export/Import

- Firmware Upgrade
- Syslog (include 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), PC 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/500mA DC
- Audio Amplifier: 2.5W
- Cables: CAT5 or better
- Power Supply: 12V+-15%/1A DC or PoE
- RFID/IC Card: EM-4100 /4100 (125KHz)
- Shell Material: Aluminum Cove, Plastic back case
- Protection level: IP54
- Working Temperature: -40~70°C
- Storage Temperature: -40~70°C
- Working Humidity: 10~90%
- Overall Dimension: 174.5 x 96 x 44mm (W x H x L)
- Package Dimensions: 235x140x100mm (W x H x L)
- Package Weight: 0.6 KG

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](http://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.

