i12 IP Intercom

The front plat of this model is aluminum alloy material with cast aluminum back plate, it makes sure that this model support waterproof, dustproof function and IP65 protection level; We also use build-in tamper-proof detector to prevent external destroy.

Highlights

☑ Support one call key and two keys mode to choose.

☑ With voice record output, can connect to hard disk video recording..

☑ Two input, support to connect with infrared probe, door sensor, vibration sensor and emergency button etc., build the security linkage.

☑ Two output, can connect with alarm lamp, locks and other equipment, control the security linkage through DTMF, remote server or two output input linkage controller.

☑ With external active speaker output interface, support HD voice(G.722) background music broadcast.

☑ High compatibility – Compatible with major platforms:Aterisk,Broadsoft,3CX, Metaswitch, Elastix, Avaya etc.

Model	Screen	Button	Camera
i12	10/100Mbps	1	×

Generic

- 2 SIP lines
- Full-duplex speaker phone (HF)
- Intelligent DSS Keys(Speed dial)
- Wall-mount installation
- 2 embedded short circuit input interfaces
- 2 embedded short circuit output interfaces. Support 4 controlled events: remote DTMF; remote server's commands; interaction with short circuit input; talking status
- Output interface for active speaker
- Audio record output interface
- External Power Supply
- Multicast
- All in ONE: Radio and intercom, intelligent security function
- Industrial Standard Certifications: IP65, IK10, CE/FCC

Call Features

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

Intercom Function

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

- 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
- Omnidirectional pickup: the pickup distance is up to 5 meters

Networking

- Physical: 10/100 Mbps Ethernet
- 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
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Firmware Upgrade
- Syslog

Physical Specifications

- 1 or 2 DSS keys (Speed Dial)
- RJ45 Ethernet Jacket x2: Network x1, PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- Passive Switch: Normally Open and Normally Closed highest at 30V/1A AC/DC
- Output interface for active speaker
- Audio record output interface
- 2 embedded short circuit input interfaces
- 2 embedded short circuit output interfaces
- Speaker: 3W/4Ω
- Cables: CAT5 or better
- Power Supply: 10~14V/1.5A DC or PoE
- Shell Material: Front plate, aluminum alloy. Back plate, Cast aluminum
- Protection level: IP65 and IK10
- Working Temperature: -40~70℃
- Storage Temperature: -40~70℃
- Working Humidity: 10~90%
- Overall Dimension: 195x120x39mm (W x H x L)
- Package Dimensions: 260x165x62mm (W x H x L)
- Package Weight: 0.85kg

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. For more information, please visit: www.fanvil.com

Compatibility List:

3CX	Asterisk	AVAYA	broadsoft	epygi	HUAWEI	Jabra GN	metaswitch	NEC
New Rock TECHNOLOGIES	OpenVox	Phonism	plantronics	PORTA ONE	SENNHEISER	Yeastar	ZTE中兴	ZYCOO