



Fanvil A12 Audio Intercom

A12 is a new generation of intercom products of Fanvil, which makes use of the unique turbine sound cavity technology to achieve excellent sound quality. Equipped with high efficiency processor and advanced speech analysis algorithm, built-in 10W speaker, combined with speech algorithm, not only to achieve a clear 5-meter distance pickup, but also to provide 90dB hands-free call and 100dB broadcast, sound shock. A12 integrates stainless steel panels and aluminum alloy architecture, which integrates beautiful and corrosion resistance with IK10 anti-riot and IP66 protection levels. It is fearless of harsh environmental challenges, demonstrating extreme durability and meeting the stringent requirements of the industry.

Highlights

- ✦ Excellent sound quality: With a unique turbine cavity design, bring extraordinary hearing enjoyment.
- ✦ Intelligent audio: Equipped with AEC, ANR, AGC, AVC speech algorithms to ensure clear communication in complex environments.
- ✦ Loud sound: 10W speaker, 90dB hands-free call and 100dB broadcast, sound shock.
- ✦ Remote pickup: Remote pickup covers a range of 5 meters and accurately captures every word.
- ✦ Self-check function: Voice loop self-check, simplify maintenance, reduce costs.
- ✦ Recording broadcast: Built-in SD card slot supports recording and preset broadcast, flexible and diverse.
- ✦ Beautiful and durable: Stainless steel panel with aluminum alloy structure, beautiful corrosion resistance, up to IK10 anti-riot standard.
- ✦ Protection grade: IP66 waterproof and dustproof grade, suitable for all kinds of harsh environment.
- ✦ Friendly interaction: 27mm backlit big button, dual status indicator (call, control), intuitive and friendly operation.
- ✦ High compatibility: Compatible with SIP-based mainstream IP PBX/ softswitch /IMS platforms, such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, etc.
- ✦ Alarm light: Built-in 1 wet node output, can drive the external alarm light.
- ✦ Rich interfaces: Audio line output, short circuit input/output, Wiegand, USB, RS485, to meet diverse needs



A12



Generic

- 2 SIP lines
- Speed dial
- Linkage with IP camera to realize video intercom
- Oral announcement of the IP address(in English)
- MP3, WAV broadcasting
- Voice monitoring, voice loop self-check
- Support programmable DSS key
- Lineout audio output interface
- Support USB port
- Support the Wiegand port

- Support RS485 port
- Switch signal input and output
- Support TF card
- Support DC12V-24/2A power supply and Power over Ethernet (POE+)

Device Functions

- Auto-answering
- Programmable DSS keys
- Through button or remote volume adjustment

- Network time synchronization
- Time Plan (task management)
- Dynamic multicast function
- SIP call forwarding to multicast
- HTTP API
- Action URL / Active URI

Call Functions

- Call out / answer / reject
- Call waiting
- Intercom, Multicast
- Speed dial
- Anonymous call (Hide caller ID)

Audio

- Narrowband codec: G.711A/U, G.729A/B, iLBC, G.723.1, G.726-32K
- Wideband codec: G.722, Opus
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
- Full-duplex hands-free speakerphone with AEC

Network

- Physical: 10/100 Mbps Ethernet
- IP mode: IPv4/IPv6/IPv4&IPv6
- IP configuration: Static IP / DHCP / PPPoE
- VPN: L2TP / OpenVPN
- VLAN

Protocols

- SIP v1 (RFC2543), v2 (RFC3261) over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- PPPoE
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Management

- 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

- DSS key x1 (support LED)
- RJ45 port x1: connect the network
 - PoE+ enabled (IEEE 802.3at, class 4)
- Lineout port x1: connect the active speaker
 - Out: the impedance value is 1000 Ω
 - Port: terminal socket
- Short circuit input port x2
- Short circuit output port x2 (built-in relay)
 - Relay: MAX DC30V / 2A, AC125V / 0.5A
 - Active switching output: 12V/500mA DC(only 1 relay support)
 - Port: terminal socket
- Tamper alarm switchx1
- Micro SD card slot x1: Connect SD card
- USB port x1
- Wiegand port x1
- 485 port x1
- DC port x1: DC power input
 - DC power input: DC 12V~24V/2A
 - Port: 2 Pin terminal socket
- Protection level: IP66 and IK10
- Appearance material: Stainless steel panel decoration, aluminum alloy shell
- Installation: Wall-mounted & flush-mounted
- Working temperature: -40℃ ~ 70℃
- Storage temperature: -40℃ ~ 70℃
- Working humidity: 10~95%
- N.W/PCS: 1.134Kg
- N.W/CTN: 11.34Kg
- G.W/CTN: 11.97Kg
- Device dimensions: 205*120*47 mm
- Gift box dimensions: 275*165*62mm
- Outer CTN dimensions: 350*335*295mm(10 sets)

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:



www.fanvil.com

Add: 10/F Block A, Dualshine Global Science Innovation Center, Honglang North 2nd Road, Bao'an District, Shenzhen, China

Tel: +86-755-2640-2199 Fax: +86-755-2640-2618 Email: sales@fanvil.com

