

Fanvil A12 Audio Intercom

A12 audio intercom is a brand-new device featuring a built-in 10W speaker and a unique turbo sound chamber design, delivering impressive audio performance. It utilizes Fanvil's advanced dual-microphone noise reduction technology and voice enhancement algorithms, ensuring clear audio capture even in noisy environments. Additionally, it combines a stainless steel panel with an integrated aluminum alloy structure, making it not only aesthetically pleasing but also corrosion-resistant, and suitable for various harsh environments.

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 1000Ω
  - 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.
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