

## Fanvil A12 Audio Intercom (A12)



Product Name: Fanvil A12 Audio Intercom (A12)

Manufacturer: Fanvil

Model Number: A12

Please Note: The A12 is an audio-only intercom. For the version with a built-in camera, please see the A12V..

### Fanvil A12 Audio Intercom (A12)

The Fanvil 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 utilises Fanvil's advanced dual-microphone noise reduction technology and voice enhancement algorithms, ensuring clear audio capture even in noisy environments. The A12 combines a stainless-steel panel with an integrated aluminium alloy structure, making it not only aesthetically pleasing but also corrosion-resistant and suitable for various harsh environments. It carries an IP66 waterproof and dustproof rating along with IK10 anti-riot protection, and supports linkage with an IP camera to realise video intercom functionality when paired with external camera hardware. A 27mm backlit big button with dual status indicators (call, control) ensures intuitive and friendly operation, while a built-in wet node output can drive an external alarm light. The A12 is compatible with SIP-based mainstream IP PBX, softswitch and IMS platforms, including Asterisk, BroadSoft, 3CX, Metaswitch, Elastix, and Avaya. Rich interfaces including audio line output, short circuit input/output, Wiegand, USB, and RS-485 allow flexible integration with access control and security systems. Fanvil A12 Technical Specifications:

#### Generic

- 2 SIP lines
- Speed dial
- Linkage with IP camera to realise 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 Wiegand port
- Support RS485 port
- Switch signal input and output
- Support TF card
- Support DC 12V-24/2A power supply and Power over Ethernet (PoE+)

#### Device Functions

- Auto-answering
- Programmable DSS keys
- Volume adjustment via button or remote
- Network time synchronisation
- Time Plan (task management)
- Dynamic multicast function
- SIP call forwarding to multicast
- HTTP API
- Action URL / Active URI

#### Call Functions

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

### Audio

- Narrowband codecs: G.711A/U, G.729A/B, iLBC, G.723.1, G.726-32K
- Wideband codecs: 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 and 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 (supports LED)
- RJ45 port x1: connect the network; PoE+ enabled (IEEE 802.3at, class 4)
- Lineout port x1: connects to active speaker; impedance 1000Ω; terminal socket
- Short circuit input port x2
- Short circuit output port x2 (built-in relay): MAX DC30V/2A, AC125V/0.5A; active switching output 12V/500mA DC (only 1 relay supported); terminal socket
- Tamper alarm switch x1
- Micro SD card slot x1
- USB port x1
- Wiegand port x1
- 485 port x1
- DC port x1: DC power input 12V–24V/2A; 2-pin terminal socket
- Protection level: IP66 and IK10
- Appearance: stainless steel panel decoration, aluminium alloy shell
- Installation: wall-mounted and flush-mounted
- Working temperature: -40°C to 70°C
- Storage temperature: -40°C to 70°C

## Fanvil A12 Audio Intercom (A12)

Working humidity: 10%–95%

Dimensions (with wall-mounted bracket): 20.5 x 5.45 x 12 cm

**Price: £196.10**

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