

Fanvil A212 Wall-mounted Speaker

Fanvil A212 wall-mounted speaker is a commercial-grade IP audio terminal integrating broadcasting and intercom functions. It supports 20 multicast zones with priority management and uses G.722 and Opus codecs for high-definition audio. It also supports lossless MP3 and WAV broadcasting and can connect to a 15W passive speaker for enhanced amplification. The A212 integrates seamlessly with systems such as converged communication systems, video surveillance systems, Fanvil broadcast & intercom systems, access control systems, digital billboards, and fire alarm systems, allowing for centralized configuration and operation.



Highlights

☑ Excellent sound quality: Support HD intercom, lossless music broadcast

☑ Flexible integration: Support standard SIP protocol, HTTP API, short circuit input and output and video linkage, easy to integrate with third-party systems

☑ Convenient management: Support Web, DM software, FDMCS and Fanvil broadcast & intercom APP management

☑ Functional integration: Support paging broadcasting, scheduled broadcasting, emergency broadcasting, two-way intercom, self-check/monitoring, priority management and other functions

☑ Multi-mode: Serverless mode, converged communication mode, Fanvil broadcast & intercom system mode and external linkage mode

Basic Functions

- 2 SIP lines
- Wall-mounted installation, rotary support installation (optional)
- Main speaker 8Ω 15W can be connected to external 8Ω 15W passive sub-speaker
- Built-in microphone, support monitoring, self-test, intercom application
- Support HD voice, using G.722 and Opus encoding
- Support lossless sound quality broadcasting, MP3 and Wav encoding
- Support 20 multicast partitions
- Built-in 24MB audio file storage space, support scheduled task broadcast
- Customize audio files for emergency notification and alarm
- 3 short circuit input detection, 1 short-circuit output, linkage security alarm device
- Support external IP camera video linkage
- Support Web remote adjustment volume
- Support PoE/PoE+ power supply or DC24V/2A power supply
- adaptive 10/100 Mbps network port

Device Functions

- Default auto answer (Auto-answering)
- Network time synchronization
- Remote volume adjustment
- Dynamic multicast function
- Action URL / Active URI

Audio

- Audio codecs: G.711A/U, G.729A/B, iLBC, G.723, G.726-32K, G.722, Opus
- DTMF: In-band, out-of-band (RFC2833/SIP INFO)
- Speaker:
  - 5" coaxial treble
  - Frequency response: 100-20KHz
  - Sensitivity: 88dB±3dB 1M/1W
  - Impedance: 8Ω
  - MAX SPL: 105dB
  - Speaker power

  PoE: Main speaker 8W

  PoE+: Main speaker 15W

  DC 24/2A: Main speaker 15W(support external 8Ω 15W sub speaker)
- Mic
  - Omnidirectional microphone
  - Sensitivity: -38±3dB, impedance 2.2k ohm, bias voltage 2V

Network

- 10/100 Mbps
- Network mode: IPv4/IPv6/IPv4&IPv6
- IP Setting: Static IP / DHCP / PPPoE
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS

Protocols

- SIP2.0 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

- DC 24V/2A port×1
  - 2pin Terminal socket
- RJ45 port×1: connect the Internet or LAN
  - Support PoE power supply (IEEE 802.3at, class 4)
- SPK port×1: support external 8Ω15W sub speakers
- Short circuit input port×3
- Short circuit output port×1
  - Max support: 30V/2A
  - Terminal socket
- LED: Blue, green, cyan, can be customized
- DC power input: DC 24V/2A
- Working temperature: -20℃~ 55℃
- Storage temperature: -30℃~ 60℃
- Working humidity: 10~95%
- Installation: Wall-mounted installation, universal bracket installation(optional)
- Color: Black/White
- Device overall dimensions: 184.85mm×275.38mm×124.56mm
- Gift box dimensions: 237mm×350mm×182mm
- Outer CTN dimensions: 578mm×375mm×500mm(6 PCS)

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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