



Fanvil A201 Ceiling Speaker

Fanvil A201 ceiling speaker is a commercial-grade IP audio terminal. It can function independently as an audio system or integrate with external systems such as unified communication systems, video surveillance systems, Fanvil broadcast & intercom system, access control systems, digital billboards, and fire alarm systems, facilitating unified 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
- ✓ Easy to manage: Support Web, DM software, FDMCS and Fanvil broadcast intercom APP management equipment
- ✓ Functional integration: Set paging broadcast, timing broadcast, emergency broadcast, two-way intercom, self-check/monitoring, priority management and other functions in one
- ✓ Multi-mode: Serverless mode, converged communication mode, Fanvil broadcast intercom system mode and external linkage mode



Basic Functions

- 2 SIP lines
- Ceiling-mounted installation
- 8 Ω 10W 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
- 1 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 DC 12V~24V/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:
 - Frequency response: 250~20KHz
 - Sensitivity: $90 \pm 3\text{dB}$ (1m/1W)
 - Impedance: 8 Ω
 - MAX SPL: 100dB
 - Speaker power
 - PoE: 6W
 - PoE+: 10W
 - DC 12V~24V/2A: 10W
- Mic
 - Omnidirectional microphone
 - Sensitivity: $-38 \pm 3\text{dB}$, 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 12V~24V/2A port × 1
 - circular DC power jack
- RJ45 port × 1: connect the Internet or LAN
- Short circuit input port × 1
- Short circuit output port × 1
 - Max support: 30V/2A
 - Terminal socket
- Working temperature: -25℃~55℃
- Storage temperature: -30℃~60℃
- Working humidity: 10~95%
- Installation: Ceiling-mounted installation
- Color: White
- Device overall dimensions: Φ200*90mm
- Gift box dimensions: 200*200*105 mm
- Outer CTN dimensions: 630*425*255 mm(12PCS)

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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