A201 Ceiling Speaker

Fanvil A201 Ceiling Speaker is a commercial-grade IP audio terminal that can be used independently as an audio system and seamlessly integrated with external systems and platforms (such as converged communication systems, video surveillance systems, Fanvil broadcast intercom systems, access control systems, digital billboards, and fire alarm systems). It can help to build a fully integrated audio communication system and is easy to configure and operate in a unified manner.

Fanvil A201 integrates broadcast and intercom functions and supports 20 multicast partition priority management. It adopts G.722 and Opus encoding to bring high-definition call sound quality while supporting the broadcasting of MP3 and WAV encoding lossless sound quality. A201 is compatible and scalable and supports standard SIP 2.0 (RFC3261) and related RFC protocols.

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±3dB（1m/1W）
  - Impedance: 8 Ω
  - MAX SPL: 100dB
  - Speaker power
    - PoE：6W
    - PoE+：10W
    - DC 12V~24V/2A：10W
- 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 12V~24V/2A port×1
  - Support PoE power supply (IEEE 802.3at, class 4)

  - 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)