# Fanvil || FH-S01 SIP Ceiling Speaker

FH-S01 is a SIP ceiling speaker featuring paging, multicasting, broadcasting and talkback functionalities. It supports up to 10 multicast zones with prioritization. It delivers high-intelligibility performance with G.722&Opus codecs. Adopted standard SIP 2.0(RFC3261) and related RFC protocols, it has strong compatibility and scalability.

Highlights

- ☑ All in one functionalities with audio codec, digital amplifier and speaker
- ☑ High-intelligibility performance with G.722&Opus codecs
- ☑ Support up to 10 multicast zones with prioritization
- ☑ Audio power up to 20W with built-in class D amplifier
- ☑ Support talkback with built-in microphone
- ☑ Customize the WAV file for emergency notification and alarming
- ☑ Linkage with security alarming devices
- ☑ Support remote configuration via web page and auto-provisioning
- ☑ 10/100 Mbps Ethernet, Integrated PoE(IEEE 802.3af, class 0)
- ☑ Ideal for school, office, station, retail, factory, etc.
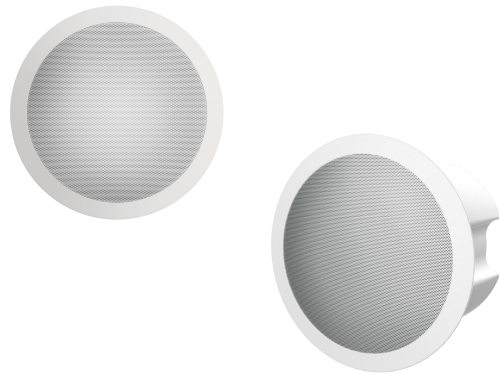
Generic

- 2 SIP lines
- Ceiling installation
- MP3 broadcasting
- 10 multicast zones
- Talkback application
- Link with security alarm device
- PoE enabled
- Support DC power supply

Device Functions

- Auto-answering
- Network time synchronization
- Web page volume adjustment
- Dynamic multicast function
- Support recording (through server)
- Action URL / Active URI

Audio

- Audio codecs: G.711A/U, G.729A/B, iLBC, G.723, G.726-32K,G.722, Opus
- Speaker:
  - Frequency response：100-20KHz
  - Sensitivity:89dB±3dB 1m/1W
  - Impedance:8Ω
  - Audio Power:
    PoE/10W,12V/10W,18V/15W,24V/20W；
    related to power supply voltage.
- Mic:
  - Omni-Directional
  - Sensitivity:-36±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 port x1: DC power input
  - Port:2 Pin terminal socket
- RJ45 port x1: connect the network
  - Power over Ethernet(IEEE 802.3af, class 0)
- Short circuit input and output port x1(built in relay)
  - Relay:MAX DC30V/2A
  - Port:terminal socket
- Blue LED x1:Power status
- DC power input: DC 12~24V/2A
- Working temperature: -20℃~ 50℃
- Storage temperature: -30℃~ 60℃
- Working humidity: 10~95%
- Installation: Ceiling-mounted
- Color: White
- Device overall dimensions: 238.5mm x 238.5mm x 148.3mm
- Device back box dimensions: 202.5mm x 202.5mm x 139mm
- Gift box dimensions: 270mm x 270mm x 188mm
- Outer CTN dimensions: 560mm x 283mm x 410mm(10 PCS)

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All in One Functionality

Integrated coaxial-driver, built-in digital signal processor and digital amplifier, plug-and-play when connecting to PoE.

Digital Amplifier

Coaxial Driver

Digital Signal Processor
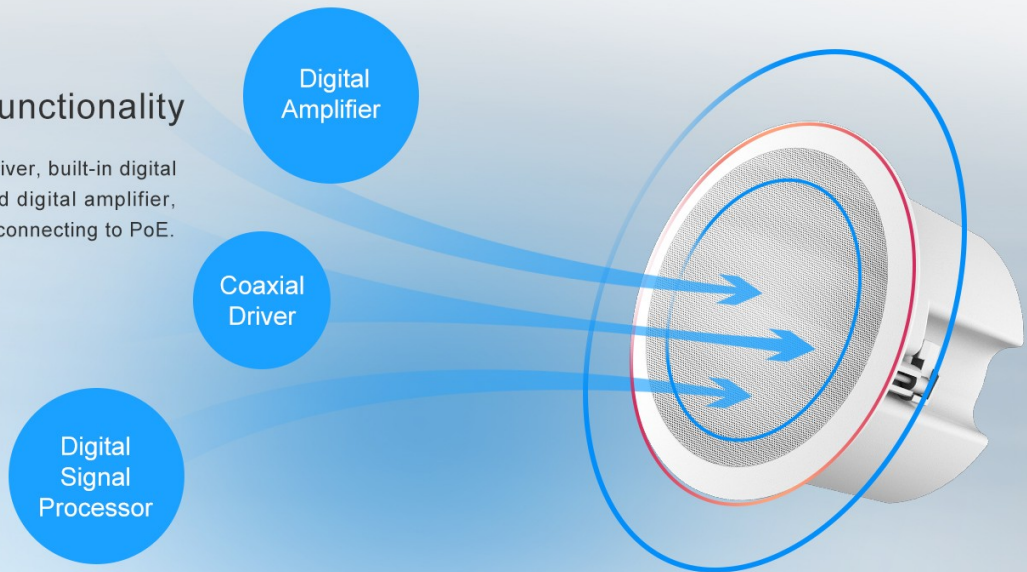
High-intelligibility Performance

FH-S01 supports MP3 broadcasting with a sampling rate of 44.1KHz. With wideband audio codec G.722, Opus and up to 20W audio power, it delivers crystal clear sound at a distant range.

MP3

G.722

Opus

Talkback with Built-in Microphone

With built-in omnidirectional microphone, FH-S01 supports talkback that enables users to talk with the caller.
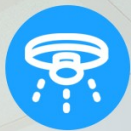
Emergency Notification Alerting

FH-S01 provides flexible connection to emergency button, smoke sensor and door sensor according to the needs. With customization WAV file for emergency notification and alarm, users can deal with emergencies effectively.

Smoke Sensor

Emergency Button

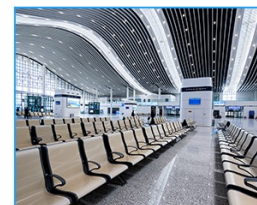Door Sensor

Multiple Application Scenarios

With powerful functionalities of scheduled broadcast, background music playing and emergency notification, FH-S01 is ideal for school, office, station, retail, factory, and a wide variety of other indoor venue types.
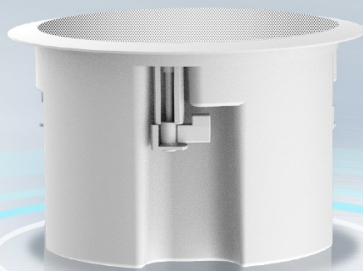
School

Office

Station

Retail

Factory

Hotel

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- All in one functionality with audio codec, digital amplifier and speaker
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Your Dealer: