

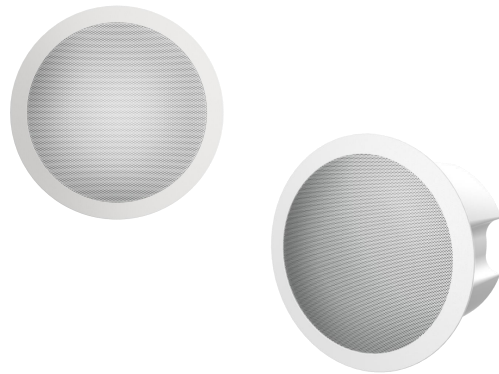


# FH-S01 SIP Ceiling Speaker

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: 8 Ω
  - 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)

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.



