



SIP-S100

SIP-S100 high-fidelity full-duplex SIP intercom speaker, using advanced echo cancellation technology, 30W high-fidelity speaker, can enjoy clear and beautiful sound quality in public places, support group broadcasting, built-in black and white list and only trust SIP server mechanism, Shield unnecessary interference calls and Internet attacks. By connecting SIP-S100 with other LVswitch devices, including IP phones and video conferencing terminals, users can easily create an advanced, feature-rich, secure voice intercom and broadcast solution. It provides efficient and convenient information transmission for shopping malls, schools, hospitals, and other public places that require large-scale broadcast coverage, so that users can get a full range of high-fidelity audio experience in a wide space.



External pickup interface
to realize SIP intercom



2 SIP accounts
2 call lines



Built-in
PoE power supply



Multi-function single
button, humanized voice
reporting, restore factory



Built-in only trust
SIP server mechanism
to shield malicious attacks



HD audio, acoustic
echo elimination,
noise reduction

Model	Network	PoE	Power Adapter
SIP-S100	100M Ethernet port	X	√
SIP-S100P	100M Ethernet port	√	Optional

LV Switches Inc.

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Official
website



WeChat public
account

Protocols and Standard

- SIP RFC3261
- TCP/IP/UDP
- RTP/RTCP
- HTTP/HTTPS
- ARP, ICMP
- DNS (A record, SRV, NAPTR)
- DHCP
- TFTP
- NTP
- STUN
- LLDP-MED
- TR-069
- 802.1x
- TLS
- SRTP
- IPV6
- OpenVPN

Speech coding

- Support G.711μ/a, G.722 (wide-band)
- G.726-32,
- iLBC
- Opus
- G.729A/B in-band and outofband
DTMF (In audio, RFC2833, SIP INFO)
- VAD
- CNG
- AEC
- PLC
- AJB
- AGC
- ANS

Network interface

- One 10/100Mbps network port
- Integrated PoE/PoE+

Pickup function

- Optional 6m pickup module

Auxiliary interface

- A 3-pin multi-purpose input port

Telephone functions

- SIP intercom
- Multicast paging
- Answer calls by priority

HD voice

- Ultra-wideband high-definition voice
coding and speakers

Speaker

- 30W high fidelity speaker

Security

- Distinguish between ordinary users
and administrator rights
- MD5 and MD5-sess based authentication
- 256-bit AES security profile
- TLS
- SRTP
- HTTPS
- 802.1x media access control

QoS

- Support the second layer
(802.1Q, 802.1p)
and the third layer
(ToS, Di port Serv, MPLS) QoS

Multi-language

- Simplified Chinese / Traditional Chinese /
- English / Turkish / Korean/Russian /
- French / Italian / German / Polish /
- Portuguese/Japanese / Spanish / Thai /
- Hindi / Arabic / Vietnamese

Upgrade/Configuration

- Upgrade firmware via TFTP/HTTP/HTTPS
upload
- Upgrade firmware via local HTTP upload
- Large-scale deployment through Tr069
or AES encrypted XML configuration files

Power & Energy saving

- Integrated PoE* 802.3af Class 3
- PoE: IEEE 802.3af/IEEE 802.3at

Product specification

- Dimensions: 150mm x 460mmx95mm
- Net weight: 2.8kg

Temperature & Humidity

- Working: 0°C to 40°C
- Storage: -10°C to 60°C
- Humidity: 10% to 90% non-condensing

Packing list

- One SIP-S100 host
- Universal power adapter (optional)
- Cable
- Quick Installation Guide Manual

Standards and Certifications

- FCC: Part 15 (CFR 47) Class B
- FCC Part 15C
- FCC Part 15E
- MPE
- CE : EN 55032
- EN 55024
- EN 61000-3-2
- EN 61000-3-3
- EN 60950-1
- EN 301 489/17
- EN 300 328
- EN 301 893
- EN 62311
- RoHS
- RCM: AS/NZS CISPR 32/24
- AS/NZS 60950.1
- AS/NZS 4268 IC: ICES 003
- RSS 247
- RSP-100
- RSS 102