



SPA-C100

IP Ceiling Speaker











Key Features

- Output Level: +6dBV \pm 3dB
- Frequency Response: 20Hz ~ 20kHz
- Amplifier: Built in 10W Class D
- Power: PoE (IEEE 802.3 af type 1 Class 3), PoE+(IEEE 802.3 at type 2 Class 4)
- Internal Memory: 1 GBytes
- Max. Sound Pressure Level: 99dB
- Frequency Range (-10dB): 120Hz~20kHz
- Sensitivity (1Watt): 90dB
- Supported Protocol: IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
- TTS: English(US, UK), German, French, Spanish, Russian
- Audio Mornitoring: Speaker, Connection test



SPA-C100

IP Ceiling Speaker







Specifications

| Product | |
|----------------------------------|---|
| Туре | IP Ceiling Speaker |
| | |
| Line Output | |
| Output Level | +6dBV ± 3dB |
| Frequency Response | 20Hz ~ 20kHz |
| THD + N Ratio (AES17 LPF) | Less than 0.1% |
| S/N Ratio (20kHz LPF, A-WTD) | Greater than 91dB |
| Amplifier | |
| Description | Built in 10W Class D |
| Network | |
| Ethernet | 10/100 Base-T |
| Memory | |
| Internal Memory | 1 GBytes |
| External Memory (Micro SD) | SDHC upto 32GB (SANDISK) |
| Contact | |
| Contact Input. Dry contact | One channel |
| Contact Output. Dry contact (NO) | One channel |
| General | |
| Operating Temperature | -20 ~ +50°C (-4°F ~ +122°F) |
| Operating Humidity | 10~85% RH (Non-Condensing) |
| Weight | 1.8Kg |
| Size | Φ269*142.5(H)mm |
| Color | Black/White |
| Certificate | EMC : KS C 9832/9835, EN 55032/55035 Safety : KC 62368-1 |
| Power | |
| PoE | PoE (IEEE 802.3 af type 1 Class 3) |
| PoE+ | PoE+(IEEE 802.3 at type 2 Class 4) |
| | ALCO TABLE A |



| Input Sensitivity Frequency Response Sound Level Meter Audio Supported Audio Format Supported Sudio Format Supported | Embedded MIC | |
|---|---|---|
| Audio Supported Audio Format WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Sampling rate from 16 kHz up to 48 kHz Speaker Speaker Component Awax. Sound Pressure Level (PoE: 3.7 Watt) Watx) Max. Sound Pressure Level (PoE: 3.7 Watt) Watt) 100dB Frequency Range (-10dB) 120Hz-20kHz Sensitivity (1Watt) 90dB Coverage Pattern (HxX): 90'(1kHz) / 60'(4kHz) Network Protocol Security Password protection: admin.setup.user.guest (sha-2. Digest authentication, User access log) Digest authentication, User access log) Digest authentication, User access log Supported Protocols PV-4. HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP Witi-source Dynamic PA control Wulti-source Dynamic PA control Wulti-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 256 Tone Setted with SIP clients such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC 2833) Supported SIP features: DTMF (RFC 2833) Supported Supported SIP features: DTMF (RFC 2833) Supported SIP features: DTMF (RFC 2833) Supported Codess: PCMU, PCMA, Speex/8000, Speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) | Input Sensitivity | Sound Level Meter |
| Supported Audio Format WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Sampling rate from 16 kHz up to 48 kHz Speaker Speaker Component 2Way 8" LF Driver & 2" HF Driver. Passive type Max. Sound Pressure Level (PoE : 3.7 Watt) 96dB Max. Sound Pressure Level (PoE : 10 Watt) 100dB Frequency Range (-10dB) 120Hz-20kHz Sensitivity (1Watt) 90dB Coverage Pattern (HxV) : 90°(1kHz) / 60°(4kHz) Network Protocol Security Password protection : admin.setup.user.guest (sha-2. Digest authentication. User access log) Digest authentication. User access log) Digest authentication. User access log Supported Protocols IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP System Integration API (Application Programming Interface) Multi-source Dynamic PA control Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 250 Zone Control (Multicast) Up to 255 Groups VoIP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk Tested with SIP clients uch as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported Codecs: PCMU, PCMA, Speev/(8000), speev/16000 TTS English (US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) | Frequency Response | Sound Level Meter |
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| Speaker Speaker Component 2Way 8" LF Driver & 2" HF Driver. Passive type Max. Sound Pressure Level (PoE : 3.7 Watt) 96dB Max. Sound Pressure Level (PoE+: 10 100dB Max. Sound Pressure Level (PoE+: 10 100dB Max. Sound Pressure Level (PoE+: 10 100dB Frequency Range (-10dB) 120Hz-20kHz Sensitivity (IWatt) 90dB Coverage Pattern (HxV): 90°(1kHz) / 60°(4kHz) Network Protocol Security Password protection : admin.setup.user.guest (sha-2. Digest authentication. User access log) Digest authentication. User access log) Digest authentication. User access log Supported Protocols IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP System Integration API (Application Programming Interface) SUNAPI Multi-source Dynamic PA control Wulti-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 255 Groups Up to 255 Groups VoIP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk Tested with SIP clients such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported Codes: PCMU, PCMA, Speev/(8000), Speev/16000 TTS English (US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset | Audio | |
| Speaker Component 2Way 8" LF Driver & 2" HF Driver. Passive type Max. Sound Pressure Level (PoE : 3.7 Watt) 96dB Max. Sound Pressure Level (PoE +: 10 Watt) 100dB Frequency Range (-10dB) 120Hz - 20kHz Sensitivity (1Watt) 90dB Coverage Pattern (HxV) : 90"(1kHz) / 60"(4kHz) Network Protocol Password protection: admin.setup.user.guest (sha-2. Digest authentication. User access log) Digest authentication. User access log) Digest authentication. User access log Supported Protocols IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP System Integration API (Application Programming Interface) SUNAPI Multi-source Dynamic PA control Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 255 Groups VolP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Scrandstream Supported SIP features: DTMF (RFC2833) Supported SIP features: DTMF (RFC2833) Supported Codeces: PCMU, PCMA, speex/8000, speex/16000 TTS English (US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) | Supported Audio Format | |
| Max. Sound Pressure Level (PoE : 3.7 Watt) 96dB Max. Sound Pressure Level (PoE+: 10 Watt) 100dB Frequency Range (-10dB) 120Hz~20kHz Sensitivity (1Watt) 90dB Coverage Pattern (HxV): 90"(1kHz) / 60"(4kHz) Network Protocol Security Password protection: admin.setup.user.guest (sha-2. Digest authentication. User access log) Digest authentication. User access log) Digest authentication. User access log System Integration API (Application Programming Interface) Multi-source Dynamic PA control Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 255 Groups VolP Tested with SIP clients such as Grandstream and PBX supplier such as Grandstream Supplier Such as Starisk Tested with SIP clients such as Grandstream and PBX supplier such as Grandstream Supplier Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset Virtual Contact, Dry contact | Speaker | |
| Max. Sound Pressure Level (PoE+: 10 Watt) Frequency Range (-10dB) 120Hz~20kHz Sensitivity (1Watt) 90dB Coverage Pattern (HxV): 90°(1kHz) / 60°(4kHz) Network Protocol Security Password protection: admin.setup.user.guest (sha~2, Digest authentication, User access log) Digest authentication, User access log Supported Protocols IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP System Integration API (Application Programming Interface) Multi-source Dynamic PA control Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 255 Groups VoIP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Srandstream Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset Virtual Contact, Dry contact | Speaker Component | 2Way 8" LF Driver & 2" HF Driver. Passive type |
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| API (Application Programming Interface) Multi-source Dynamic PA control Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) Up to 256 Zone Control (Multicast) Up to 255 Groups VoIP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk Tested with SIP client such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset Virtual Contact, Dry contact | Supported Protocols | IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP |
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| Up to 256 Zone Control (Multicast) Up to 20 Zone Control (Unicast) Up to 255 Groups VoIP Tested with SIP clients such as Grandstream, Yealink, Cisco, MicroSIP softphone and PBX supplier such as Asterisk Tested with SIP client such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset Virtual Contact, Dry contact | API (Application Programming Interface) | SUNAPI |
| such as Asterisk Tested with SIP client such as Grandstream and PBX supplier such as Grandstream Supported SIP features: DTMF (RFC2833) Supported codecs: PCMU, PCMA, speex/8000, speex/16000 TTS English(US, UK), German, French, Spanish, Russian Audio Monitoring Speaker test by graphic level meter (Built in test tool) Event & Preset Virtual Contact, Dry contact | Multi-source Dynamic PA control | Up to 256 Zone Control (Multicast) Up to 20 Zone Control (Unicast) |
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| Event & Preset Virtual Contact, Dry contact | TTS | English(US, UK), German, French, Spanish, Russian |
| | Audio Monitoring | Speaker test by graphic level meter (Built in test tool) |
| Functional Monitoring Connection verification, Built-in system logging | Event & Preset | Virtual Contact, Dry contact |
| | Functional Monitoring | Connection verification, Built-in system logging |