Algo 1198 Ceiling Speaker

Product Name: Algo 1198 Ceiling Speaker
Manufacturer: Algo
Model Number: Algo-1198

Algo 1198 Ceiling Speaker
The Algo 1198 Ceiling Speaker can bring about significant cost savings when combined with one or more 8198 SIP PoE+ Ceiling Speakers for extensive IP ceiling speaker deployments in locations like schools, retail stores, airports, and offices. Satellite speakers are linked to the 8198 in a daisy chain fashion using standard CAT5/CAT6 patch cables. The 8198 IP Speaker automatically identifies and monitors each attached 1198 Satellite Speaker for connectivity. The 8198 web GUI displays the number of connected satellite speakers, and this information is also visible in the 8300 Supervision Controller when it's in use.
Algo 1198 Ceiling Speaker Key Features:

ï¿½ SIP Compliance and Multicast Capability
ï¿½ Daisy Chain Connection
ï¿½ Automatic Satellite Speaker Integration
ï¿½ Speaker Supervision and Compatibility

The satellite speakers, which closely resemble the 8198 IP speaker in both appearance and acoustic output, can respond to ambient noise based on the 8198 microphone's noise detection. By default, they also adopt the zone and volume settings of the 8198 speaker.

Algo 1198 Ceiling Speaker Technical Specifications
Power

ï¿½ PoE / PoE+ 48 V PoE IEEE 802.3af/at
ï¿½ Max 25.5 W - Idle nominal 2.5 W

SIP

ï¿½ Extensions: 50 Page & 10 Alerting/Ring extensions with multicast scalability
ï¿½ Transport Protocols: UDP, RTP, TCP
ï¿½ Security: TLS, MTLS, SRTP

Multicast Compatibility

ï¿½ Multicast: RTP Multicast (Send & Receive 50 zones)
ï¿½ Third Party Multicast: PolycomTM Group Page, SinglewireTM InformaCast, Syn-AppsTM Revolution

API

ï¿½ API: RESTful API

Digital IO

ï¿½ Relay Input Normally open or normally closed dry contact supervision.
ï¿½ Compatible with Algo 1202, 1203, and 1204 Accessories.

Satellite Speakers

ï¿½ Quantity: Up to 3 x 1198 Satellite Ceiling Speaker
ï¿½ Speaker Connections: Patch cable 4 Pair UTP 24 AWG RJ45 plug terminated T568A or

Algo 1198 Ceiling Speaker

T568B "Straight-Through". Maximum recommended patch cable length 50 feet (13m) between each speaker.
ï¿½ Supervision: Auto-detection and monitoring of up to three satellite speakers
ï¿½ Configuration: Via host 8198 IP Speaker web interface

Audio

ï¿½ Audio Codecs: G.711 A-law, G.711 u-law, G.722, Opus 48 kHz
ï¿½ Driver: 6.5” (16.5 cm) Coaxial UV stabilized
ï¿½ Driver Response: 55 – 18,000 Hz (- 10 dB)
ï¿½ Driver Sensitivity: 88 dBA 1m/1W (1 kHz)
ï¿½ Max Audio Power: 16 Watts (shared equally between 8198 and up to 3 x 1198)
ï¿½ Dispersion Angle: 140° (2 kHz -6 dB)
ï¿½ Audio Memory: 1 GB
ï¿½ Microphone: Omni-directional, talkback and ambient noise monitoring
ï¿½ Audio Controls: Volume, AGC, Latency, LF Cut
ï¿½ Anti-Feedback Delay: Cache to memory and release

Network

ï¿½ Network: IPv4, IPv6, DHCP, VLAN, MDNS
ï¿½ Secure SIP: TLS, MTLS, SRTP
ï¿½ Link Layer: LLDP, CDP
ï¿½ QoS: DSCP (SIP, RTP, RTCP)
ï¿½ Web Interface: HTTP, HTTPS
ï¿½ Provisioning: TFTP, FTP, HTTP, HTTPS
ï¿½ DHCP Options 66, 150, 160
ï¿½ Reboot via SIP Check-sync
ï¿½ NAT: STUN, TURN, CRLF Keep Alive, SIP Outbound
ï¿½ Address Resolution: DNS, SRV Record
ï¿½ Supervision: SNMP V1.3, RTCP, Algo 8300
ï¿½ Redundancy: Secondary & Tertiary SIP Servers

Environmental & Mechanical

ï¿½ Satellite Speaker Connector: 1 x RJ45 output connector
ï¿½ Environmental: 32 to 104 deg F (0 to + 40 degC); 10-95% RH non-condensing. Dry indoor locations only. (Contact Algo for extreme environments)
ï¿½ Dimensions: 8” (20.5cm) Diameter without trim ring, 9.8” (24.9cm) with trim ring. Total height 7.0” (17.8cm)
ï¿½ Mounting: Blind mounts into 8” hole. Certified for Air Handling Spaces. Clearance requirement of 5.5” (14.0cm) above ½” (1.27cm) gypsum board ceiling
ï¿½ Weight: 6 lb (2.7 Kg)

Certified Compliance

ï¿½ IEC 62368-1, IEEE 802.3-2018, RoHS, CE, FCC Class A, CISPR 32 Class A, CISPR 24, CSA/UL (USA & Canada) & UL2043

Price: £221.50