

Algo 8198 IP PoE+ Ceiling Speaker - Black



Product Name: Algo 8198 IP PoE+ Ceiling Speaker - Black

Manufacturer: Algo

Model Number: Algo-8198B

Algo 8198B IP PoE+ Ceiling Speaker - Black

The Algo 8198B IP PoE+ Ceiling Speaker - Black a SIP compliant, multicast capable device for live voice paging, alerts, announcements, and emergency notification. Its patent-pending method drives multiple satellite speakers, reducing network ports and cables while maintaining the benefits of IP paging. Upgrade your audio system now!

Algo 8198B IP Key Features:

- 1/2 Satellite speaker technology; capable to power and supervise satellite speakers.

- 1/2 PoE and PoE+ (Power over Ethernet).

- 1/2 Supports SIP, Multicast, Polycom Group Page, InformaCast, Revolution.

- 1/2 Ambient noise responsive.

This talkback capable speaker features multicast scalability, wideband/fullband audio codec support for clear voice paging, and user-friendly configuration via a web interface or auto-provisioning. Customize WAV files for emergency alerts and enjoy powerful audio with dual Class D amplifiers.

Algo-8198B Technical Specifications

Power

- 1/2 PoE / PoE+

- 1/2 48 V PoE IEEE 802.3af/at

- 1/2 Max 25.5 W - Idle nominal 2.5 W

SIP

- 1/2 Extensions: 50 Page & 10 Alerting/Ring extensions with multicast scalability

- 1/2 Transport Protocols: UDP, RTP, TCP

- 1/2 Security: TLS, MTLS, SRTP

Multicast Compatibility

- 1/2 Multicast: RTP Multicast (Send & Receive 50 zones)

- 1/2 Third Party Multicast: PolycomTM Group Page, SinglewireTM InformaCast, Syn-AppsTM Revolution

API

- 1/2 API: RESTful API

Digital IO

- 1/2 Relay Input: Normally open or normally closed dry contact supervision.

- 1/2 Compatible with Algo 1202, 1203, and 1204 Accessories.

Satellite Speakers

- 1/2 Quantity: Up to 3 x 1198 Satellite Ceiling Speaker

- 1/2 Speaker Connections: Patch cable 4 Pair UTP 24 AWG RJ45 plug terminated T568A or T568B "Straight-Through". Maximum recommended patch cable length 50 feet (13m) between each speaker.

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- Supervision: Auto-detection and monitoring of up to three satellite speakers
- Configuration: Via host 8198 IP Speaker web interface

Audio

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

Network

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

Environmental & Mechanical

- Satellite Speaker Connector: 1 x RJ45 output connector
- Environmental: 32 to 104 deg F (0 to +40 deg C); 10-95% RH non-condensing. Dry indoor locations only. (Contact Algo for extreme environments)
- Dimensions: 8" (20.5cm) Diameter without trim ring, 9.8" (24.9cm) with trim ring. Total height 7.0" (17.8cm)
- Mounting: Blind mounts into 8" hole. Certified for Air Handling Spaces. Clearance requirement of 5.5" (14.0cm) above 12" (1.27cm) gypsum board ceiling
- Weight: 6 lb (2.7 Kg)

Certified Compliance

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

Price: \$649.53