

Algo 8198 IP PoE+ Ceiling Speaker



Product Name: Algo 8198 IP PoE+ Ceiling Speaker

Manufacturer: Algo

Model Number: Algo-8198

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The Algo 8198 IP PoE+ Ceiling Speaker is 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 8198 IP PoE+ Ceiling Speaker:

- 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-8198 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: Polycom™ Group Page, Singlewire™ InformaCast, Syn-Apps™ 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

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each speaker.

• 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 degC); 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: £485.90