

# 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!s Algo 8198B IP Key Features:

تزير Satellite speaker technology; capable to power and supervise satellite speakers.

آذِر PoE and PoE+ (Power over Ethernet).

ī¿½ Supports SIP, Multicast, Polycom Group Page, InformaCast, Revolution.

� 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

� PoE / PoE+

ï¿1/2 48 V PoE IEEE 802.3af/at

آذِ1/2 Max 25.5 W - Idle nominal 2.5 W

SIP

ī¿1/2 Extensions: 50 Page & Damp; 10 Alerting/Ring extensions with multicast scalability

ï¿1/2 Transport Protocols: UDP, RTP, TCP

ï¿1/2 Security: TLS, MTLS, SRTP

Multicast Compatibility

ī¿1/2 Multicast: RTP Multicast (Send & Deceive 50 zones)

تزئ Third Party Multicast: PolycomTM Group Page, SinglewireTM InformaCast, Syn-AppsTM

Revolution

API

� API: RESTful API

Digital IO

آذِيًّ Relay Input: Normally open or normally closed dry contact supervision.

تزارد Compatible with Algo 1202, 1203, and 1204 Accessories.

Satellite Speakers

រ៉េ្ស Quantity: Up to 3 x 1198 Satellite Ceiling Speaker

ī¿½ 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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- 12.1/2 Supervision: Auto-detection and monitoring of up to three satellite speakers
- 17.1/2 Configuration: Via host 8198 IP Speaker web interface

#### Audio

- าั¿½ Audio Codecs: G.711 A-law, G.711 u-law, G.722, Opus 48 kHz
- าั¿½ Driver: 6.5" (16.5 cm) Coaxial UV stabilized
- � Driver Response: 55 18,000 Hz (- 10 dB)
- تز1/2 Driver Sensitivity: 88 dBA 1m/1W (1 kHz)
- تزن Max Audio Power: 16 Watts (shared equally between 8198 and up to 3 x 1198)
- آزا 2 Dispersion Angle: 140° (2 kHz -6 dB)
- ï¿1/2 Audio Memory: 1 GB
- ī స్ట్రి Microphone: Omni-directional, talkback and ambient noise monitoring
- 12.1/2 Audio Controls: Volume, AGC, Latency, LF Cut
- i¿½ Anti-Feedback Delay: Cache to memory and release

### Network

- آزٰ Network: IPv4, IPv6, DHCP, VLAN, MDNS
- ï¿1/2 Secure SIP: TLS, MTLS, SRTP
- ï¿1/2 Link Layer: LLDP, CDP
- � QoS: DSCP (SIP, RTP, RTCP)
- آذِر Web Interface: HTTP, HTTPS
- تز½ Provisioning: TFTP, FTP, HTTP, HTTPS
- ï¿1/2 DHCP Options 66, 150, 160
- ï¿⅓ Reboot via SIP Check-sync
- آزٰ NAT: STUN, TURN, CRLF Keep Alive
- ï¿⅓ SIP Outbound
- ï¿1/2 Address Resolution: DNS, SRV Record
- ï¿⅓ Supervision: SNMP V1.3, RTCP, Algo 8300
- آذِ Redundancy: Secondary & Tertiary SIP Servers

### Environmental & amp; Mechanical

- า๊¿½ Satellite Speaker Connector: 1 x RJ45 output connector
- آذِ½ Environmental: 32 to 104 deg F (0 to + 40 degC); 10-95% RH non-condensing. Dry indoor locations only. (Contact Algo for extreme environments)
- آذِيًا 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 ½" (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 & D); Canada) & D); UL2043

Price: £485.90