

Algo 8196 IP PoE+ Horn Speaker



Product Name: Algo 8196 IP PoE+ Horn Speaker

Manufacturer: Algo

Model Number: Algo-8196

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The Algo 8196 IP PoE+ Horn Speaker serves as a SIP compliant and multicast-capable network audio device designed for public address and notification purposes. To enhance coverage, it allows up to three satellite speakers to be linked to the main 8196 speaker, collectively sharing the 16W of audio power available. Furthermore, this PoE+ Horn Speaker is highly compatible with a wide range of hosted/cloud and premise-based VoIP telephone systems.

Algo 8196 IP PoE+ Horn 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.

The Talkback capable speaker is a versatile IP66-rated device, offering multicast scalability and wideband/fullband audio codec support for clear voice paging. Its user-friendly web interface or auto-provisioning simplifies configuration, while customizable WAV files enable emergency notification and loud ringing. Ideal for expanded coverage, this speaker excels in public address, notification, and emergency scenarios, delivering top-notch performance and adaptability.

Algo-8196 Technical Specifications

Power

- 1/2 PoE / PoE+ 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 and 1203 Accessories

Satellite Speakers

- 1/2 Quantity: Up to 3 x 1196 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 8196 IP Speaker web interface

Audio

• Audio Codecs: G.711 A-law, G.711 u-law, G.722, Opus 48 kHz

• Driver Response: 350 – 8,300 Hz (-10 dB)

• Driver Sensitivity: 108 dBA 1m/1W (1kHz)

• Max Audio Power: 16 Watts (shared equally between 8196 and up to 3 x 1196)

• Dispersion Angle: 80 degH x 50 degV (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: -40 to 122 deg F (-40 to + 50 degC). Designed to meet IP66 requirements. Suitable for outdoor and wet environments when properly installed.

• Horn & Enclosure: UV stabilized outdoor rated plastic with stainless steel mounting hardware

• Horn Mouth Dimensions: 11" x 6.6" (28cm x 16.8cm)

• Mounting: Wall, ceiling, or double gang electrical box. Pole mount bracket available.

• Aim Adjustment: Three-axis

• Weight: 6 lb (2.7 Kg)

Compliance

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

Price: £553.50