

## Algo 8189 SIP Surface Mount Speaker



Product Name: Algo 8189 SIP Surface Mount Speaker

Manufacturer: Algo

Model Number: Algo-8189

### Algo 8189 SIP Surface Mount Speaker

The Algo 8189 is for indoor surface mount ceiling or wall applications required for voice paging, emergency alerting and playing music. As a result, this IP speaker is compatible with most hosted / cloud and premise-based VoIP telephone systems. It features dual SIP extensions for voice paging and notification capability. One or both extensions can be registered with any premise or hosted Communication Server supporting 3rd party SIP endpoints. Wideband G.722 codec support provides optimum speech clarity and intelligibility in an HD Voice environment. Voice paging and notification announcements are easier to understand, particularly in noisy environments.

### Algo 8189 Key Features

- ½ Public address (PA) IP speaker.
- ½ Secure SIP using TLS and SRTP.
- ½ Multicast scalable.
- ½ Wideband HD voice for high intelligibility speech.
- ½ Dynamic volume control responsive to ambient noise levels.
- ½ Excellent capability for playing background music, supporting Super-Wideband frequency response.
- ½ Talkback capable speaker.
- ½ Customise WAV files for emergency notification / alerting and telephone loud ringing.
- ½ Configuration via user friendly web interface or auto-provisioning.
- ½ PoE (IEEE 802.3af).
- ½ Ideal for hallways and common areas in education, retail, hospitality, health care and commercial office spaces.

**Multiple-Application SIP Extensions**Multiple SIP registrations are available in this IP speaker, including Page (50), Emergency Alert (10) and Ring (10) extensions. On Page, the speaker will auto-answer when called for making public address (PA) voice announcements. For Ring and Emergency Alert extensions the speaker will play a configurable WAV file from 1GB device memory when the extension is called (e.g., ring tones for telephone alerting, notification alerts for safety / security / emergency events and informational announcements).  
**Scale Algo IP Paging Speakers**over any size building or campusThe 8189 IP speaker supports multicast send or receive. As a result, many Algo IP speakers can be deployed to cover any size building, campus (e.g., classrooms in a school, college or university) or enterprise. There is no limit to the number of devices part of a multicast, and a minimum of network traffic activity is utilised. A single registered 8189 can be configured to multicast to any number and mix of Algo IP speakers, strobe lights, paging adapters and multicast supported IP telephones. Multicast provides cost effective scalability using a minimum of SIP registered endpoints, as only the endpoint designated to send the multicast needs to be registered. Devices configured to receive the multicast do not need registration. Support is available for RTP multicast, in addition to Polycom Group Page, Singlewire InformaCast (part no. 8189-IC) and Syn-Apps Revolution.

### Algo 8189 Technical Specification

#### Power

- ½ Power Input: PoE (IEEE 802.3af Class 0) 48V, 12.95W
- ½ Max Power: 12.95W
- ½ Idle Power: 2W

#### SIP Extensions

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• 50 Page (Capable of hands-free talkback)

• 10 Emergency Alert

• 10 Ring

SIP Signalling/Transport Protocols: UDP, TCP, TLS, RTP, SRTP  
Multicast & Third-Party Compatibility

• RTP Multicast (Send and Receive 50 Zones)

• Polycom Group Page

• Singlewire InformaCast (additional license required)

• Syn-Apps Revolution

Configuration & Provisioning

• Configuration: Web interface or provisioning server

• Web Interface: HTTP, HTTPS

• Provisioning: TFTP, FTP, HTTP, HTTPS

• DHCP Options 66, 150, 160

• Reboot via SIP ‘check-sync’;

• Supervision: Compatible with any third-party SNMP monitoring software or the Algo 8300 Controller.

Networking

• Networking: IPv4, DHCP, VLAN

• Link Layer: LLDP, CDP

• QoS: DSCP (SIP, RTP, RTCP)

• NAT: STUN, TURN, CRLF Keep Alive, SIP Outbound

• Address Resolution: DNS, SRV Record

• Redundancy: Secondary and tertiary SIP server

• Time: NTP Server (up to four)

Audio

• Speaker: 6.5" (16.5 cm) Coaxial with PEI Dome Tweeter. Mica filled polypropylene cone.

• SPL: 97 dBA at 1m (1 kHz tone)

• Frequency Response: 55 – 18,000 Hz (-10 dB)

• Dispersion Angle: 140° (2 kHz -6 dB)

• Microphone: Omnidirectional – talkback and ambient noise monitoring

• Audio Codecs: G.711 u-law, G.711 A-law, G.722 Wideband

• Audio Memory: 1 GByte audio storage

Input/Output

• Relay Input: Normally open or normally closed dry contact supervision using Algo 1202 Call Button, 1203 Call Switch, 1204 Volume Control or EOL resistor termination

• Relay Output: Max 30 V 50 mA (normally open)

• Nominal 12V source, current limited to 40mA

• Typical supervision resistor value = 1k ohm

Environmental & Mechanical

• Environmental: 0 to + 40 °C (32 to 104 °F); 10-95% RH, non-condensing. Dry indoor locations only.

## Algo 8189 SIP Surface Mount Speaker

Dimensions (Product): 12" x 12" x 3.38" (30.5cm x 30.5cm x 8.6cm)

Weight (Product): 7 lbs (3.2 kg)

Weight (Shipping): 8 lbs (3.6 kg)

### Compliance

RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), EN60950

**Price: £449.80**