ALGO

8188 SIP Ceiling Speaker

Wideband Audio for Clear and Intelligible IP Voice Paging, Notification, and Music.

The Algo 8188 SIP Ceiling Speaker features multiple SIP extensions for IP voice paging and notification capability. One or both extensions can be registered with any premise or cloud Unified Communication Server supporting 3rd party SIP endpoints.

Wideband G.722 codec support provides exceptional speech clarity and intelligibility in an HD Voice environment making voice paging and notification messages easier to understand, particularly in noisy environments.

Scalable and cost effective, the 8188 multicast capability allows a SIP registered speaker to simultaneously stream audio to additional speakers, while actively voice paging or playing a WAV file from memory. No additional SIP licences or paging server are required.

The integrated microphone enables talkback and listens for ambient noise to automatically increase speaker volume when necessary. An auxiliary input allows an optional wall button to initiate a SIP call or generate an announcement.

For ease and simplicity, the PoE blind-mount speaker installs quickly into the ceiling, and announces its static or DHCP IP address for access to the intuitive web interface. Additionally, the 8188 speaker supports auto-provisioning for minimal touch configuration.

Secure SIP communication is made possible by support for TLS and SRTP with mutual authentication.

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Power	
PoE Powered:	48 V PoE IEEE 802.3af Class 0 Max 12.95 W - Idle nominal 2.5 W
SIP	
Extensions	50 Page & 10 Alerting/Ring extensions with multicast scalability
Transport Protocols	UDP, RTP, TCP
Security	TLS, SRTP, Mutual Authentication
Multicast & Third Party Compatibility	
RTP Multicast (Send & Receive 50 zones)	
Poly™ Group Page	
Singlewire™ InformaCast (Requires license)	
Syn-Apps™ Revolution	
Digital IO	
Relay Input	Normally open or normally closed dry contact supervision. Compatible with Algo 1202, 1203, and 1204 Accessories.
Relay Output:	Normally open or normally closed. Max rating 30 V 50 mA
Audio	
SPL	97 dB SPL (1 KHz, 8W/1m)
Audio Codecs	G.711 A-law, G.711 u-law, G.722,
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	8 Watts
Dispersion Angle	140° (2 kHz -6 dB)
Audio Memory	1 GByte
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, DHCP, VLAN, MDNS
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 V1.2, RTCP, Algo 8300
Redundancy:	Secondary & Tertiary SIP Servers
Environmental & Mechanical	
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 ½" (1.27cm) gypsum board ceiling
Weight:	6 lb (2.7 Kg)

Compliance

EN60950:2001, IEEE 802.3-2008, RFC3261, RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), UL2043

Heavy duty UL2043 compliant housing protects speaker and circuitry against dust and condensation. Integrated attachment for optional ¼" 20 eye bolt ceiling suspension. RJ45 jack and IO Connector are hidden once installation is complete.

Order Codes:

8188	SIP Ceiling Speaker Wideband White
8188B	SIP Ceiling Speaker Wideband Black
8188-IC	Ceiling Speaker White InformaCast

Compatible Accessories:

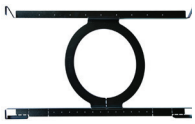
1202	Customer/Emergency Assitance Button
1203	Wall Switch SIngle Gang Blue LED
1204	Volume Control
8188MEM	Hydrophobic Membrane for Damp Locations
8188TBR	Ceiling Tile Support Bracket
8188T2X2	Drop-In Ceiling Tile 24" x 24"

8188B

1202

1203

1204



8188TBR

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