

Durable and loud for harsh weather conditions.

The Algo 8197 IP PoE+ Weather-Hardened Horn Speaker is IPX9 rated to keep your outdoor paging system deployment water-protected and reliable. Constructed with industrial-grade materials, the 8197 withstands harsh weather conditions while offering superior audio quality.



ENGINEERED FOR EXTREME CONDITIONS

The Algo 8197 IP PoE+ Weather-Hardened Horn Speaker is IPX9-rated to withstand rain and snow making it ideal for outdoor installations where reliability is crucial. Built with high-quality, industrial-grade plastic, this ensures long-lasting performance in any environment.

EXPAND AUDIO COVERAGE AT REDUCED COSTS

The Algo 8197 IP PoE+ Weather-Hardened Horn Speaker can be deployed as a homerun IP speaker or in combination with up to three 1197 Satellite Weather-Hardened Horn Speakers to minimize cabling, ports, and licensing costs. Automatically detect and continuously monitor each satellite speaker, ensuring reliable audio performance. Both the 8197 and 1197 are designed to withstand extreme weather conditions and provide high-performance audio output.

CONNECT TO VOIP AND UC SYSTEMS

As a SIP-compliant speaker, the 8197 can be integrated with UC platforms like Microsoft Teams, Zoom, and RingCentral as well as other VoIP technology. Configure these connections and other features such as RESTful API, ZTP, and multicast in an intuitive web interface from a remote location or on-site.

KEY FEATURES

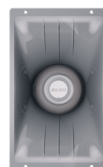
- IPX9 outdoor rated
- Satellite speaker technology; can power and supervise up to three Algo 1197 Satellite Weather-Hardened Horn Speakers
- Secure SIP using TLS, mTLS, SRTP
- Multicast-capable
- Ambient noise detection
- Configuration via user friendly web interface or auto-provisioning.
- Relay input compatible with Algo endpoint accessories

AUDIO OUTPUT	
MAXIMUM SPL	119 dB SPL (1KHz 16W/1m) when used alone with PoE+
MAXIMUM AUDIO POWER	16 W (shared equally between one 8197 and up to three connected 1197)
DISPERSION ANGLE	80° H x 50° V (2 kHz -6 dB)
SPEAKER MATERIAL	UV stabilized outdoor rated plastic with stainless steel mounting hardware
AUDIO MANAGEMENT	
AUDIO CODECS	G.711 u-law, G.711 A-law, G.722 Wideband, Opus Fullband
AUDIO DELAY	Programmable 1-1000 ms synchronization delay
AUDIO MEMORY & FORMAT	1 GB audio storage for WAV or MP3 files
AUDIO CONTROLS	Volume, AGC, Latency, LF Cut
ANTI-FEEDBACK DELAY	Cache to memory and release
MICROPHONE	Omnidirectional - talkback and ambient noise monitoring
SATELLITE SPEAKER	Yes; up to three Algo 1197 Satellite Horn Speakers
SATELLITE SPEAKER CONNECTION	Patch cable 4 Pair UTP 24 AWG RJ45 plug terminated T568A or T568B "Straight-Through". Maximum recommended patch cable length 50 feet (13 m) between each speaker
POWER	
POWER SOURCE	PoE+ (IEEE 802.3at Type 2 Class 0) 48 V, 30 W
MAX POWER (AT DEVICE)	25.5 W
IDLE POWER	2.5 W
SIP	
SIP EXTENSIONS	• 50 Page (Capable of hands-free talkback) • 10 Emergency Alert • 10 Ring
SIP SIGNALLING/TRANSPORT PROTOCOLS	UDP, TCP, RTP
SECURITY	TLS, SRTP, Mutual Authentication
CONNECTIONS & INTEGRATIONS	
RTP MULTICAST	Send and Receive 50 Zones
API	RESTful API
THIRD PARTY	Poly Group Page™ InformaCast® (additional license required) Intrado Revolution® Microsoft Teams®
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'
ZTP	Supported
SUPERVISION	Compatible with Algo Device Management Platform (ADMP), Algo 8300 IP Controller, any third-party SNMP monitoring software, and RTCP
NETWORKING	
NETWORKING	IPv4, IPv6, DHCP, VLAN, MDNS
LINK LAYER	LLDP, CDP
SECURITY	IEEE 802.1X
QOS	DSCP
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)

INPUT/OUTPUT			
RELAY INPUT	Normally open or normally closed dry contact with supervision. Algo 1202 Call Button, 1203 Call Switch, 1204 Volume Control, EOL termination.		
RELAY OUTPUT	Max 30 V 50 mA (normally open)		
RELAY INPUT CURRENT DRAW DETECTION THRESHOLD			
	ACTIVE	IDLE	TAMPER
NORMALLY OPEN	> 4 mA	< 4 mA	N/A
NORMALLY OPEN WITH SUPERVISION	> 20 mA	4-20 mA	< 4 mA
NORMALLY CLOSED	< 4 mA	> 4 mA	N/A
NORMALLY CLOSED WITH SUPERVISION	4-20 mA	> 20 mA	< 4 mA
NOMINAL 12 V SOURCE, CURRENT LIMITED TO 40 MA		Typical supervision resistor value = 1 k Ohm	

MOUNTING	
ENVIRONMENT	-40 to + 50 deg C (-40 to + 122 deg F); suitable for outdoor and wet environments when properly installed. IPX9 rating
SURFACE	Wall, ceiling, or double gang electrical box. Pole mount kit available.
AIM ADJUSTMENT	Three axis
DIMENSIONS	
PRODUCT DIMENSIONS	11.8" x 6.6" x 11.34" (30 cm x 16.8 cm x 28.8 cm)
HORN MOUTH DIMENSIONS	11" x 6.6" (28 cm x 16.8 cm)
HORN & ENCLOSURE	UV stabilized outdoor rated plastic with stainless steel mounting bracket and hardware
WEIGHT (PRODUCT)	6.4 lbs (2.9 kg)
WEIGHT (SHIPPING)	7.7 lbs (3.5 kg)
COMPLIANCE	
RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada) RCM (Australia and New Zealand)	
PATENT	
This product is covered under one or more patents, including US Patent No. 11,202,146.	

FRONT



SIDE



BACK



ORDERING CODES:

- 8197** IP PoE+ Weather-Hardened Horn Speaker
8197-IC IP PoE+ Weather-Hardened Horn Speaker InformaCast

SATELLITE SPEAKERS

- 1197** Satellite Weather-Hardened Horn Speaker

