

Louder than your loudest environments

The Algo 8507 IP Horn Array Speaker is a highly durable speaker with wideband audio designed to deliver clear, intelligible audio in reverberant, loud environments such as airports, warehouses, or factories.

EXTREMELY LOUD, DIRECTIONAL AUDIO

With seven high-powered horn speakers, the 8507 provides wide-area audio coverage at volumes reaching 137 dB. This array speaker uses wideband to ensure high intelligibility audio and paging clarity of voice announcements or emergency notification. Use in outward-facing clusters around a central location like a pole for 360-degree loud-audio coverage in outdoor or expansive environments.

MADE TO WITHSTAND HARSH WEATHER EVENTS

Designed to take on the toughest outdoor environments, the 8507 is IPX9 rated and can withstand temperatures from -40°C to +50°C. The modular design allows for easy cable connection with a water-tight seal.

FLEXIBLE DEPLOYMENT AND INTEGRATION

The 8507 is a fully compliant 3rd party SIP endpoint and is compatible with most UCaaS and mass notification platforms. As a multicast device, the 8507 can be easily integrated with existing devices and managed by device management platforms like ADMP.

KEY FEATURES

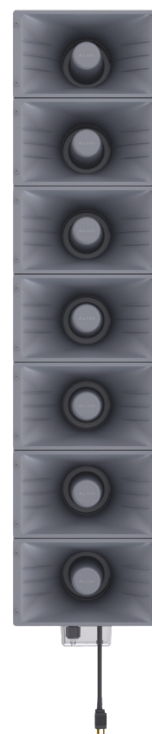
- Designed to have narrow vertical and wide horizontal coverage for directional sound
- Up to 137 dB
- Wideband audio
- IPX9 rated
- Configurable via web interface



AUDIO		ENVIRONMENTAL & MECHANICAL	
SPEAKERS	Seven horn speakers	MINIMUM TEMPERATURE	-40°F (-40°C)
FREQUENCY RESPONSE	350 - 9,000 Hz (-10 dB)	MAXIMUM TEMPERATURE	122°F (50°C)
LOUDNESS (MAXIMUM SPL)	137 dB at 1 m	OUTDOOR RATING	IPX9
DISPERSION ANGLE	80 degH x 50 degV (2 kHz -6 dB)	PRODUCT WEIGHT	• 41 lbs without mount • 46 lbs with mount
AUDIO OUTPUT POWER	170 W	PRODUCT DIMENSIONS	45.3" x 11" x 10.8" (without mounting bracket) 115" power cord length
AUDIO MEMORY & FORMAT	1 GB audio storage for WAV or MP3 files	COMPLIANCE	
AUDIO CONTROLS	Volume, AGC, Latency, LF Cut	RoHS, FCC Class A, CSA/UL (USA & Canada)	
ANTI-FEEDBACK DELAY	Cache to memory and release		
AUDIO DELAY	Programmable 1-1000 ms synchronization delay		
POWER			
POWER SOURCE	Requires both AC Mains (100 V - 240 VAC 50/60 Hz) and PoE (IEEE 802.3af Class 0)		
MAX INPUT POWER	350 W		
IDLE POWER	3 W		
SIP			
SIP EXTENSIONS	• 50 Page Extensions • 10 Ring Extensions • 10 Emergency Alerts		
SIP SIGNALLING/ TRANSPORT PROTOCOLS	UDP, TCP, RTP		
SECURITY	TLS, SRTP, Mutual Authentication		
SIP AUDIO CODECS	G.711 u-law, G.711 A-law, G.722 Wideband		
MULTICAST & THIRD-PARTY COMPATIBILITY			
RTP MULTICAST	• Send and Receive 50 Zones • RESTful API • Poly Group Page™ • Singlewire InformaCast® (additional license required) • Syn-Apps Revolution®		
MULTICAST AUDIO CODECS	G.711 u-law, G.722 Wideband, Opus Fullband		
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 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		
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)		

FRONT

BACK



ORDERING CODES:

8507	IP Horn Array Speaker
8507-IC	InformaCast IP Horn Array Speaker
8507PMB	Pole Mount Bracket

