

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	
SPEAKERS	Seven horn speakers
FREQUENCY RESPONSE	350 - 9,000 Hz (-10 dB)
LOUDNESS (MAXIMUM SPL)	137 dB at 1 m
DISPERSION ANGLE	80 degH x 50 degV (2 kHz -6 dB)
AUDIO OUTPUT POWER	170 W
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
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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

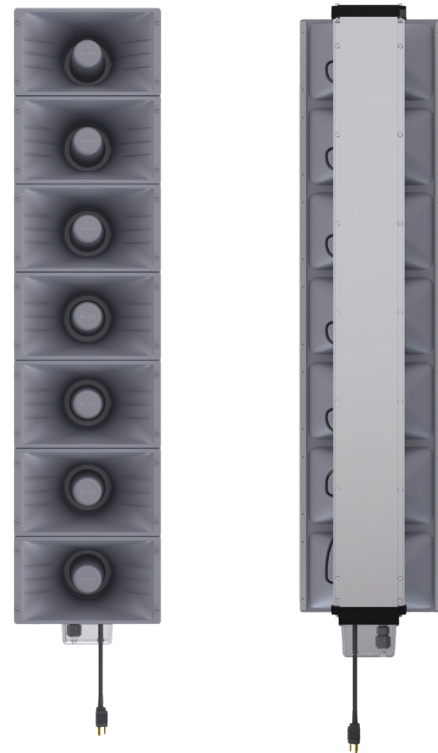
NETWORKING	
NETWORKING	IPv4, IPv6, DHCP, VLAN, MDNS
LINK LAYER	LLDP, CDP
QOS	DSCP
NAT	STUN, TURN, CRLF Keep Alive, SIP Outbound
ADDRESS RESOLUTION	DNS, SRV Record
REDUNDANCY	Secondary and tertiary SIP server
TIME	NTP Server (up to four)

ENVIRONMENTAL & MECHANICAL	
MINIMUM TEMPERATURE	-40°F (-40°C)
MAXIMUM TEMPERATURE	122°F (50°C)
OUTDOOR RATING	IPX9
PRODUCT WEIGHT	<ul style="list-style-type: none"> • 41 lbs without mount • 46 lbs with mount
PRODUCT DIMENSIONS	45.3" x 11" x 10.8" (without mounting bracket)

COMPLIANCE	
RoHS, FCC Class A, CSA/UL (USA & Canada)	

FRONT

BACK



ORDERING CODES:

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

