

Improved Speech Intelligibility For Reverberent Spaces.

Algo introduces a new IP speaker for paging & public address in acoustically reverberent spaces. Asymmetric sound directivity minimizes unwanted reflections from hard surfaces and provides exceptional coverage and speech clarity.

LINE ARRAY COLUMN

The 8516 is built using a sixteen speaker line array to provide a wide horizontal coverage pattern and narrow vertical coverage pattern when mounted as a vertical column. The speaker may also be deployed horizontally for applications where the reverse patterns are beneficial.

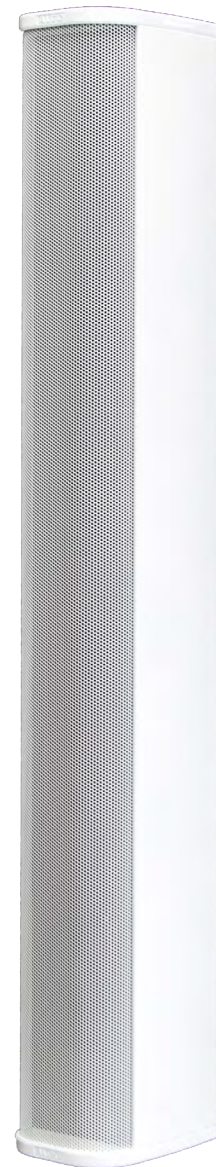
Wideband G.722 HD codec support provides high intelligibility voice paging and clear notification for emergency, safety and security alerting.

EMBEDDED MICROPHONE

Consistent with other Algo IP speakers, the 8516 includes a microphone for monitoring and adapting to ambient noise levels and can also monitor a remotely located microphone for determining noise levels at the audience location. This means voice paging and announcements are always heard at an appropriate level but never too loud.

SIP AND MULTICAST CAPABLE

The 8516 is compatible with premise or cloud UC platforms supporting third party SIP endpoints. Calling a SIP extension in the 8516 can trigger an auto-answer page or activate WAV files stored in memory to play for loud ringing, informational and emergency notification. Multicast receive capabilities include standard RTP multicast, Polycom Group Page™ and InformaCast™.



POWER

Input 100-240v
Maximum 5A at 120V, 3A at 220V

SIP

Paging extension (with or without hands-free talkback)
10 Audible/Visual alerting extensions
UDP, TCP, TLS, RTP, SRTP

MULTICAST

Receive 50 zones
IGMP, RTP, Polycom™ Group Page, InformaCast™

AUDIO

AUDIO CODECS G.711 A-law, G.711 u-law, G.722 Wideband

DRIVERS 16 x 57mm Neodymium Drivers
2 x 114mm Ferrite Drivers

SENSITIVITY 103 dB 1W/1m 1 kHz

FREQUENCY RESPONSE 60 - 11,000 Hz +/- 10dB

DISPERSION ANGLE 150 deg H x 20 deg V (-6dB 2 kHz)

AUDIO MEMORY 1 GByte audio storage

MICROPHONE Omnidirectional
Ambient noise monitoring

CONFIGURATION

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

NETWORKING: IPv4, DHCP, VLAN, MDNS

LINK LAYER: LLDP, CDP

QOS: DSCP

SUPERVISION: SNMP

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)

ENCLOSURE: Extruded aluminum chassis with high impact UV stabilized flame retardant plastic. Wall/ceiling mountable or suspendable with cables.

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ENVIRONMENTAL

ENVIRONMENTAL Indoor 32 to +104 deg F (0 to +40 deg C)

DIMENSIONS 6.5" W x 8.6" D x 51" H
16.4 cm W x 21.8 cm D x 130 cm H

WEIGHT 43 lb (16.4Kg)

REGULATORY COMPLIANCE

EN60950:2001, IEEE 802.3-2008, RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24
CSA/UL (USA & Canada) - IEC 62368-1

CLASS 3862 66 - Information Communications Technology Equipment (CSA 62368-1)

CLASS 3862 96 - Information Communications Technology Equipment (UL 62368-1) - Certified to U.S. Standard



ORDERING CODES:

- 8516** IP Array Speaker
- 8516BR-V** IP Array Speaker Mounting Bracket
Vertical Orientation
- 8516BR-H** IP Array Speaker Mounting Bracket
Horizontal Orientation

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Note: Specifications are subject to change without notice. Some features may only be available in specific firmware or hardware releases.