IP Visual Display Speakers for Visual and Audible Alerting and Notification.

With a 15.6" LCD display, high-intelligibility speakers, and high visibility LED flashers, the 8410 can produce highly attention-grabbing visual and audible messages for emergency and non-emergency events.

Algo's 8410 IP Visual Display Speaker is a SIP-compliant notification device that is comprised of three core components - a 15.6" LCD screen, high-intelligibility speakers, and high visibility LED flashers - to deliver highly effective visual and audible communication. The 8410 allows for customizable and flexible paging, notification, and alerting capabilities.

The primary element of the 8410 is the LCD display. With unlimited visual possibilities, the screen can produce scrolling text, flashing announcements, full-color images, or key data points such as dates and times. Combined with LED backlighting and wide-angle viewing, the visual display can be seen from anywhere in a room or along a hallway. It can be customized to complement an audio announcement or to bring communication to an audio-less environment.

For audible alerting, the 8410 offers similar functionality and voice quality as any Algo speaker, delivering wideband HD audio for clear voice communication and attention grabbing audible alerting. An embedded microphone is included to enable ambient noise response and talkback capabilities.

The LED flashers provide additional awareness for important messages. When no announcement or notification is needed, a variety of messages can be displayed, including images, text, or an NTP clock.
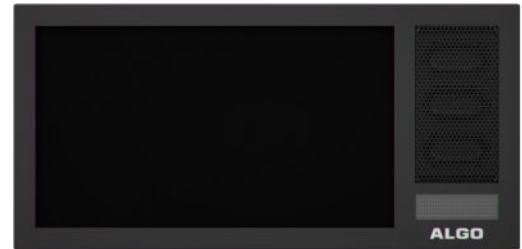
FEATURES

— 15.6" wide-angle viewable LCD display for off-axis visibility.

— Unlimited and customizable visual display capabilities with over 16 million colors.

— Display for digital or analog NTP clock, scrolling text, and emergency notifications.

— PoE+ (802.3at) and PoE++ (802.3bt) Powered.

— Remotely manageable for easy monitoring, maintenance, and management.

— Wideband audio (G.722 voice codec) for speech intelligibility and high quality audio.

— Sleep mode and screen dimming to save on power usage.

AVAILABLE DOUBLE-SIDED AS 8420

— Dual direction 15.6" LCD displays, wideband speaker, and LED flashers to deploy in hallways or open corridors.

— Contains the same core features and applications as 8410.

— Ceiling and wall-mount options available.

Algo Communication Products Ltd.
4500 BEEDIE ST. BURNABY, BC, CANADA - V5J 5L2

ALGOSOLUTIONS.COM
AL-PS-008410041122

INFO 1-604-454-3790
SUPPORT 1-604-454-3792

POWER

POE POWERED	8410: Recommended: IEEE 802.3bt Type 3 Max 51W PoE++ Optional: IEEE 802.3at Type 2 Max 25.5W PoE+ 8420: Recommended: IEEE 802.3bt Type 4 Max 90W PoE++ Optional: IEEE 802.3bt Type 3 Max 51W PoE++ or IEEE 802.3at Type 2 Max 25.5W PoE+

SIP

EXTENSIONS	50 Page & 10 Alerting/Ring extensions with multicast scalability
TRANSPORT PROTOCOLS	UDP, RTP, TCP
SECURITY	TLS, MTLS, SRTP

MULTICAST COMPATIBILITY

MULTICAST	RTP Multicast (Send & Receive 50 zones)
THIRD PARTY MULTICAST	PolycomTM Group Page, SinglewireTM InformaCast, Syn-AppsTM Revolution

DIGITAL IO

RELAY CONFIGURED AS INPUT	Normally open or normally closed dry contact supervision. Compatible with Algo 1202, 1203, and 1204 Accessories.

API

API	RESTful

AUDIO

AUDIO CODECS	G.711 A-law, G.711 u-law, G.722, Opus 48 kHz.
SPEAKERS	3 x Neodymium magnet with polypropylene cone
FREQUENCY RESPONSE	150 – 19,000 Hz (- 10 dB)
DRIVER SENSITIVITY	92 dBA 1m/1W (1 kHz sine wave)
SPL	Peak 106 dBA/1m
MAX AUDIO POWER	8 Watts
AUDIO MEMORY + FORMAT	1 GB user space for WAV or MP3 files
MICROPHONE	Omni-directional, talkback and ambient noise monitoring
AUDIO CONTROLS	Volume, AGC, Latency, LF Cut
ANTI-FEEDBACK DELAY	Cache to memory and release

VIDEO

LCD VIEWING AREA	13.5" x 7.6" (34.4 cm x 19.4 cm)
RESOLUTION	1920 x 1080 @ 60 fps
VIEWING ANGLE	88 deg (horizontal and vertical)
COLOR	16.7 M
BACKLIGHT	LED Auto-dimmable
CONTRAST	1000:1

NETWORK

NETWORK	IPv4, IPv6, 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
ADRESS RESOLUTION	DNS, SRV Record
SUPERVISION	SNMP V1.3, 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.
MECHANICAL	15.25" x 11.5" x 2.0"

COMPLIANCE

IEC 62368-1, IEEE 802.3-2018, RoHS, CE, FCC Class A, CISPR 32 Class A, CISPR 24, CSA/UL (USA & Canada),

FRONT

BACK

ORDERING CODES:

8410	IP Display Speaker
8420	IP Dual-Sided IP Display Speaker

COMPATIBLE ACCESSORIES:

1202	Customer/Emergency Assistance Button
1203	Wall Switch Single Gang Blue LED
1204	Volume Control

1202   **1203**   **1204**

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