Simplify day-to-day broadcasts and improve emergency control

The 8450 IP Console allows users to easily broadcast live or pre-recorded messages and initiate emergency alerts.

INTUITIVE BROADCASTING AND PAGING

With a customizable 10.1" LCD touchscreen, the 8450 is used as an input device to activate paging and messages. A gooseneck microphone allows for live announcements, while touchscreen buttons can activate pre-recorded messages or alerts.

OPTIMIZED EMERGENCY RESPONSE

The 8450 improves user situational awareness by displaying a visual status of in-progress events such as a lockdown. Situational awareness can be further scaled by integrating the 8450 with Algo speakers, displays, and visual alerters. The device can also be configured to be password-protected, ensuring that emergency alerting cannot be deactivated by anyone other than designated staff. In emergency situations where the phone or internet lines are down, the 8450 can continue to broadcast to devices via multicast, ensuring maximal coverage in all scenarios.

CUSTOMIZE AND CHOOSE YOUR CONTROLS

Ideal for education, health, and other facilities with unique paging needs, the 8450 integrates easily into IP paging ecosystems through SIP, multicast, and API. Configure touchscreen buttons for unique alerts or zone paging via web interface for streamlined communication throughout facilities. Multiple templates are available to get started quickly. The 8450 adds intuitiveness, flexibility, and ease to IP paging environments.

KEY FEATURES

— 10.1" touchscreen with customizable screens and button layouts

— Gooseneck microphone for live voice announcements

— Backlit Action Button configurable for push-to-talk or emergency triggers

— Full-color HD graphics for enhanced visibility and user experience

— SIP-compliant, PoE+ powered, multicast capable, with API support

— Flexible mounting: desk, wall, or rack installation

— Configurable workflows with password protection and confirmation prompts

— Support for five user access levels with passcode control

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

ALGOSOLUTIONS.COM
PS-8450-170625

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

POWER

POWER SOURCE	PoE (IEEE 802.3af Class 0) 48 V, 15.4 W, or PoE+ (IEEE 802.3at Type 2 Class 0) 48 V, 30 W
MAX POWER (AT DEVICE)	10 W

SIP

SIP EXTENSIONS	1 Outbound Page Extension
OUTBOUND DIALING	Configurable touchscreen buttons
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

RTP MULTICAST	Transmit only (50 Zones)
MULTICAST AUDIO CODECS (TRANSMIT ONLY)	G.711 u-law, G.722 Wideband, Opus Fullband

THIRD-PARTY COMPATIBILITY

- RESTful API
- Poly Group Page™
- Singlewire InformaCast (additional license required to receive)
- 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)

AUDIO

AUDIO MEMORY & FORMAT	1 GB audio storage for WAV or MP3 files
ANTI-FEEDBACK DELAY	Cache to memory and release

VIDEO

LCD	Full color display
RESOLUTION	1280 x 800
VIEWING ANGLE	85 deg (horizontal and vertical)
CONTRAST	1000:1

OPTIONAL ACCESSORIES

GOOSENECK MICROPHONE	Connection available for external microphone with desktop mount (purchase separately)
TELEPHONE HANDSET	Connection available for external telephone handset with desktop mount (purchased separately)
	* Note that a desk mount comes with only one of the above accessories. Only one can be connected at a time.

ENVIRONMENTAL & MECHANICAL

ENVIRONMENTAL	Dry indoor locations only. 0 to +40 deg C (32 to 104 deg F); 10-95% RH non-condensing.
DIMENSIONS (PRODUCT)	6.82" x 10.34"
WEIGHT (PRODUCT)	2 lbs
MOUNTING	Can be flush mounted, surface mounted, rack mounted, or desk mounted. Mounts sold separately.

COMPLIANCE

RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), EN60950

FRONT

BACK

ORDERING CODES:

8450SG	IP Console with desk stand and gooseneck microphone
8450SG-IC	IP Console with desk stand and gooseneck microphone, InformaCast Certified