

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/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

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	
	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • Screen: 10.34" x 6.82" x 1.2" (26.26 cm x 17.32 cm x 3.05 cm) • Screen + Stand: 10.34" x 9.04" x 7.63" (26.26 cm x 22.96 cm x 19.38 cm)
WEIGHT (PRODUCT)	<ul style="list-style-type: none"> • Screen: 1.87 lbs (0.848 kg) • Screen + Stand: 5.18 lbs (2.34 kgs)
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



ORDERING CODES:

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

