



## IP Endpoints for Paging, Alerting, and Secure Door Entry

Designed and tested for integration with UC, collaboration, and mass notification systems, Algo is a trusted developer and supplier to communications companies globally. Customers choose Algo for excellent user experience, dependability, ease of development, and proven compatibility.

### IP SPEAKERS



Deliver highly intelligible audio with IP speakers designed for quality voice paging, notification, and background music. Packed with valuable features such as wideband audio, multicast functionality, ambient noise detection, and secure SIP, Algo IP Speakers make audible notification powerful and simple.

### IP INTERCOMS



Provide secure door entry and hands-free communication with IP intercoms designed for a variety of door entry locations; from unattended lobbies to vandal-resistant environments. Algo IP Intercoms are outdoor rated, PoE powered and offer HD audio to enhance door entry communication.

### IP PAGING ADAPTERS



Seamlessly connect legacy paging systems to IP environments with IP paging adapters designed to eliminate paging complexity. Algo IP Paging Adapters contain a hum-reducing balanced line output, bell scheduling, and multicast capabilities to elevate performance of paging systems.

### IP DISPLAYS



Deploy highly notable visual alerting with Algo IP Visual Displays and alerters. Quality LCD screens and LED lights offer long-lasting performance and attention-getting brightness or alerting capabilities. Visual displays feature flexible color pattern settings for emergency alerting, paging, and ringing.

## Wideband IP Speakers for Voice Paging, Loud Ringing, & Emergency Notification



Algo IP Speakers deliver clear audio for voice paging, notification, and background music. Packed with features, such as talkback and ambient noise detection, Algo speakers make paging simple and powerful.

### Wideband Audio

Algo IP Speakers support wideband audio (G.722 voice codec). Consequently, there is high intelligibility and clarity of audio from the speaker for IP paging of voice announcements and improved bass for background music.

### Satellite Technology

Algo's innovative satellite speaker technology allows IP speakers to be deployed more cost effectively. Up to three satellite speakers may be connected to the core IP speaker, which actively shares power and supervises the satellite speakers.



#### Highly Intelligible Audio

Wideband audio (G.722 HD voice codec).



#### PoE/PoE+ Powered

Power with PoE/PoE+ (802.3af/at).



#### Multicast Capability

Scalable via RTP multicast.

## Visual and Audible Alerting, Notification, & Communication



### Integrated Audio and Visual Communication

Algo IP Displays are designed for attention-grabbing visual and audio notification. Graphics and text can be shown over an LCD screen while wideband speakers can be used for voice paging, notifications, or emergency alerts. When idle, the device can display an image, clock (analog or digital) synced via NTP, rotate through a variety of set graphics, or default to sleep mode.

### Devices for Input or Output

Each IP Display by Algo was built for unique needs. The one-sided 8410 and two-sided 8420 are both output display speakers that receive and share information, while the Algo 8450 IP Console is a touchscreen input display that can be used as a control panel to broadcast daily messages or to activate emergency alerts to other devices.



#### Customizable LCD Display

Wide viewing angle LCD for attention-getting visual alerting.



#### Wideband Intelligible Audio

Wideband audio (G.722 HD voice codec).



#### Embedded Strobe Light

High intensity LED strobe lights for critical alerting.

## IP Paging Adapters for Integrating Legacy Analog Amplifiers



Algo IP Paging Adapters seamlessly bridge IP environments to legacy paging systems. Paging adapters allow companies to retain legacy infrastructure, including zone paging from a zoned amplifier, while acquiring the benefits of IP paging.

### Seamless IP Interface to Analog PA Systems

Algo IP Paging Adapters emulate a page port, similar to what is found on a legacy PBX or key system. The adapter connects directly to a traditional analog amplifier, thereby offering a simple and easy interface to a VoIP phone system as a SIP extension and multicast endpoint.

### Wideband Audio

Supporting wideband audio (G.722 voice codec), Algo Paging Adapters deliver highly intelligible audio for voice announcements and emergency notifications. The isolated and balanced line output ensures there is no hum.



#### PoE/PoE+ Powered

Power with PoE/PoE+ (802.3af/at).



#### Advanced Calendaring Functionality

For automated bell, tones and announcements (Algo 8301).



#### Multicast Capability

Scalable via RTP multicast.

## IP Strobe Lights for Telephone, Safety, Security, & Emergency Alerting



Algo's IP Visual Alerters deliver highly noticeable visual alerting for telephone ring detection, safety, security, and emergency notification in noisy environments.

### Long-Life, Highly Visible LEDs

Algo IP Visual Alerters are equipped with high-intensity, long-life LEDs that have three intensity settings for customized alerting solutions. Mounted on a wall or ceiling, and whether steady-state on or flashing, the bright LEDs are visible from any direction.

### Customizable Flash Patterns & Colors

Algo IP Visual Alerters are available in a multi-color solution. When deployed, the combination of amber, blue, green, and red colors, the selectable flash patterns, and the three levels of intensity allow many possibilities for distinctive alerting, including steady-state on.



#### High Visibility

Wall and ceiling reflective and noticeable from any direction.



#### Durable Outdoor-rated

Long-life LEDs for extended product life.



#### Flexible Flash Patterns

Combine intensity, flash pattern and strobe color for different alerting signals.

## Audio & Video Intercoms for Visitor Communication & Secure Door Entry



Algo IP Intercoms & Doorphones provide hands-free visitor communication at a secure entrance point.

### Integrated IP Intercom Door Control Relay

For user convenience, Algo IP Intercoms allow door unlock control activated by a telephone key press from the answering or calling device. Certain Algo Intercom models contain an integrated door relay. However, an optional 8063 IP Door Controller can be utilized when security is critical, this allows for the door controller to be securely located away from the public facing intercom.

### Intuitive Web Interface

For intercoms equipped with a configurable keypad or touch screen they may be configured easily within the web interface. For intercoms equipped with a video camera, the web interface provides the capability to see what the intercom sees at any time from any browser.



#### Secure Door Entry

Relay output for door/gate access control.



#### Outdoor-rated intercom

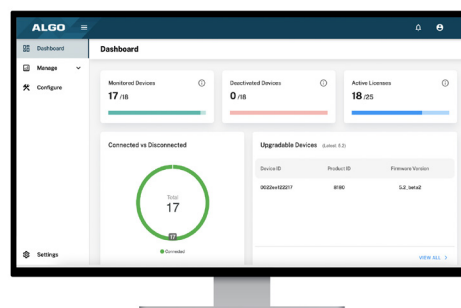
Rugged and durable design to withstand wet weather conditions.



#### Wideband Intelligible Audio

Wideband audio (G.722 HD voice codec).

## Device Management Tools to Simplify Device Deployment, Monitoring, & Management



Algo offers cloud-based and on-premise centralized endpoint supervision solutions to oversee all Algo devices in one simple dashboard.

### Cloud Based Device Management

Algo's cloud-based device management tool, the Algo Device Management Platform (ADMP), simplifies device management and provides visibility to all devices, easily enabling users to remotely provision, monitor, and troubleshoot from a web browser.

### On Premise Device Management

For dedicated on-premise device management, the Algo 8300 IP Endpoint Controller offers centralized device monitoring and supervision of Algo IP endpoints, particularly with larger enterprise deployments.



#### Device Supervision

Monitor all Algo IP endpoints for connectivity.



#### Device Management

Sort and Manage all Algo endpoints in one centralized view.



#### Configuration & Firmware

Push configuration files and firmware remotely.



#### 8450 IP CONSOLE

Flexible touchscreen broadcast and command station that can be used to initiate daily messages, activate emergency alerts, or communicate with building occupants.



#### 8180 IP AUDIO ALERTER

Wall-mount speaker for loud ringing with wideband audio and multicast for integration with IP phones for voice paging. Ideal for indoor, variable noise environments such as warehouses and classrooms.



#### 8188 IP CEILING SPEAKER

Drop ceiling mounted speaker for high intelligibility with wideband audio ideal for voice paging and background music in classrooms, hallways, or other high traffic public areas.



#### 8198 IP POE+ CEILING SPEAKER

PoE+ ceiling mount speaker with satellite technology to power and supervise up to three satellite speakers indoors.



#### 8189 IP SURFACE MOUNT SPEAKER

PoE speaker for indoor surface-mount ceiling or wall applications. Provides wideband audio for paging, alerts, and music with talkback, ambient noise detection, and multicast support.



#### 8199 IP POE+ SURFACE MOUNT SPEAKER

PoE+ indoor surface-mount speaker with satellite technology to power up to 3 units. Delivers wideband audio with ambient noise detection and multicast scalability.



#### 8186 IP HORN SPEAKER

Outdoor-rated, IPX6 horn speaker designed for large spaces such as warehouses, transportation terminals, or car lots.



#### 8196 IP POE+ HORN SPEAKER

Outdoor-rated horn speaker with satellite technology to power and supervise up to three satellite speakers in large spaces.



#### 8410 IP DISPLAY SPEAKER

Visual and audio alerting device for voice paging. Combines an LCD screen, speaker, and strobe light into a single device for customizable communications of any kind.



#### 8420 IP DUAL-SIDED DISPLAY SPEAKER

Dual-sided visual and audio alerting device for hallways and ceilings. Combines an LCD screen, speaker, and strobe light for customizable communications of any kind.



#### 8197 IP WEATHER-HARDENED HORN SPEAKER

Algo's most rugged speaker, the 8197 is IPX9 rated for extreme conditions. With 119 dB audio output, it's ideal for noisy outdoor environments. No additional gaskets or mounts required.



#### 8507 IP HORN ARRAY SPEAKER

Extremely loud speaker array used in stand-alone or cluster configuration for paging and notification in reverberant and noisy environments for wide area coverage.



#### 8190S IP SPEAKER - CLOCK & VISUAL ALERTER

Wall mounted PoE+ speaker, with LED clock, and strobe light for classroom and commercial settings. Speakers are built in an array of four for improved sound distribution.



#### 8138 IP COLOR VISUAL ALERTER

Four-colored strobe light with 180 combinations of flash patterns, intensity, and color including steady-state on allowing you to configure signals for different events.



#### 8301 IP PAGING ADAPTER & SCHEDULER

Algo's most versatile paging adapter used to bridge traditional paging amplifiers to IP environments, with embedded scheduler for bells or announcements.



#### 8312 EXPANDED IP PAGING ADAPTER

Bridge UC platforms, paging, and radio users. Features separate paging and radio audio outputs and twelve additional sensor inputs.



#### 8373 IP ZONE PAGING ADAPTER

Designed to remove the need for a legacy controller and integrate analog with IP devices. Provides a balanced and isolated audio output, and can add new page zones.



#### 8300 CONTROLLER

Monitor and supervise Algo IP endpoints from a centralized platform. Ideal for larger Algo deployments where multiple devices are used.



#### 8201 IP POE INTERCOM

Outdoor-rated, compact form factor intercom with two-way communication for secure door entry. Vandal-resistant model available.



#### 8028 IP DOORPHONE (CONTROLLER + INTERCOM)

Controller and intercom solution for network access where a door station is deployed by single pair wiring. Ideal for added security or retrofit installation. Vandal-resistant model available.



#### 8039 IP VIDEO MULLION INTERCOM

High resolution video intercom with a dewarped, 180° field of view designed for mullion entry points. Has a keypad for direct dialing or access control.



#### 8063 IP DOOR CONTROLLER

Digital I/O module for door control and automation. Integrates with Algo intercoms to manage strikes, alarms, and access points across legacy or IP-based infrastructure.



#### 8401 AND 8402 IP CLOCKS

IP digital clock synced with NTP time. Available as a single (8401) or double-sided (8402) screen.

### Learn More

Use this QR code to visit us online at [algosolutions.com](http://algosolutions.com), where you can learn more about the products above and other Algo solutions.

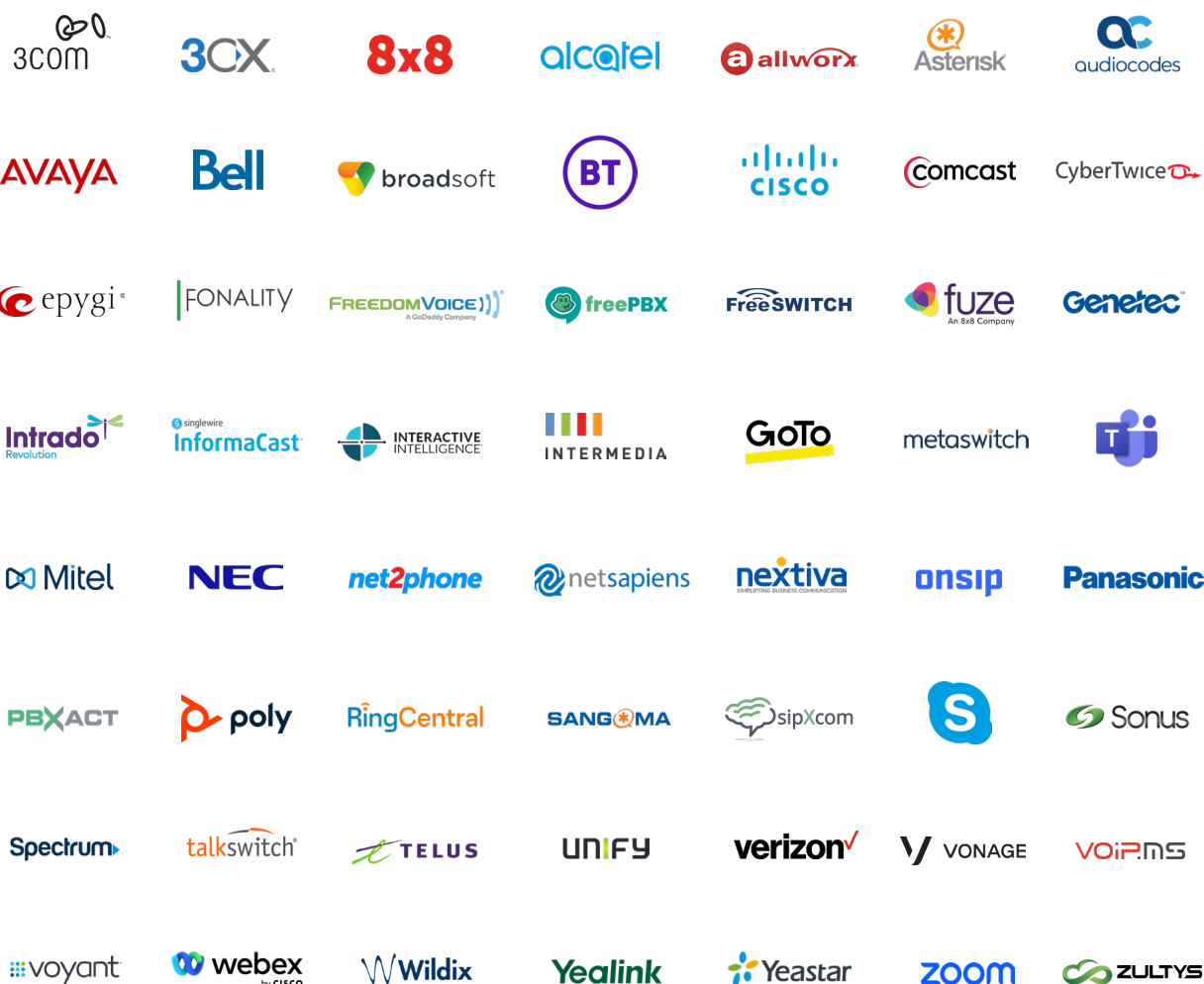


## COMPATIBLE PARTNERS

**Algo IP endpoints are 3rd-party SIP compliant devices, compatible with most leading Unified Communications, Collaboration, and Mass Notification systems.**

Algo IP endpoints deliver effective communication for voice paging, emergency alerting, and secure door entry. Algo endpoints have proven compatibility with over 60 partners and will seamlessly integrate into almost any VoIP system. Algo's portfolio of IP speakers, intercoms, paging adapters, visual alerters, and visual displays are designed for ease of deployment, functionality, and scalability for integration into any size building or environment.

### PLATFORMS



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