



Dynamic 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 the Best 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 VISUAL ALERTERS



Deploy highly notable visual alerting for telephone ring detection, safety, security, and emergency notification. Algo IP Visual Alerters offer outdoor-rated, multi-color alerting with long-life, high visibility LEDs to provide effective communication where noise, or hearing impairment are an issue.

Wideband IP Speakers for Voice Paging, Loud Ringing, and Emergency Notification

Algo IP Speakers deliver highly intelligible audio for 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 IP paging powerful and simple

All Algo IP speakers are 3rd party SIP compliant endpoints, as a result, Algo IP Speakers are compatible with most unified communications and emergency notification platforms.

Wideband Audio

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

Multicast Scalable

Algo IP Speakers support multicast send or receive. As a result, many Algo IP speakers can be deployed to cover any size building, campus or enterprise. There is no limit to the number of devices part of a multicast group, and a minimum of network traffic activity is utilized.

Embedded Microphone

An embedded microphone allows Algo IP Speakers to monitor ambient noise and automatically adjust its



speaker level according to background noise level which helps to ensure that announcements and alerts are heard but never too loud. The microphone may also be used for talkback two-way communication.

Satellite Speaker Technology

Select Algo speakers support Algo's innovative satellite speaker technology which allows IP Speakers to be deployed more cost effectively. For expanded coverage, up to three satellite speakers may be connected to the core IP PoE+ speaker sharing the 16W of available audio power. Each satellite speaker attached is automatically detected and monitored for connectivity. Satellite speakers are identical in appearance and performance to the IP speakers, maintaining all of the benefits of IP paging.

FEATURES



Highly Intelligible Audio
Wideband G.722 HD Voice.



Secure SIP
Using TLS and SRTP.



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



Multicast Capable
Scalable via RTP multicast.



Wide UC-Compatibility
3rd party, SIP complaint devices.



Network Configurable
Remote managed via user-friendly web interface.

Audio & Video Intercoms for Visitor Communication & Secure Door Entry

Algo IP intercoms & doorphones provide hands-free visitor communication at a secure entrance door or gate. Ideally suited for a variety of door entry locations ranging from unattended lobbies to vandal-resistant environments, Algo IP intercoms are purpose-built and easy to implement for secure door entry. Both audio and audio-video models are available to choose from. All intercoms are outdoor rated, and compatible with most unified communications.

Wideband Audio for Optimum Speech Clarity

Algo IP Intercoms supports Wideband G.722 codec (HD Voice) for optimum speech clarity and intelligibility. This IP intercom delivers reliable voice communication for building entry or access point communication with visitors and guests.

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.

Secure Door / Gate Access Control



A separate controller is available with selected models. The controller provides the network or telephone connection and the relay for door / gate access control. As the controller is generally located inside the premise, this offers a secure solution in the event there is tampering of the public-facing intercom station.

Intuitive Web Interface

Algo Intercoms are web configurable via an 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.

FEATURES



Outdoor-rated intercom
With wideband audio for intelligible speech.



Secure SIP
Using TLS and SRTP.



PoE/PoE+ Powered
Seamless power with PoE/PoE+ (802.3af/at).



Secure Door Entry
Relay output for door/gate access control.



Wide UC-Compatibility
3rd party, SIP compliant devices.



Network Configurable
Remote managed via user-friendly web interface.

Wideband IP Paging Adapters for Integrating Legacy Analog Amplifiers

Algo's IP Paging adapters seamlessly bridge IP environments to legacy paging systems. Algo's IP Paging adapters eliminate complexity in your paging environment, ensuring effective communication with simplified configuration.

All Algo IP paging adapters are 3rd party SIP compliant endpoints, as a result, Algo IP Speakers are compatible with most unified communications and emergency notification platforms.

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 G.722 HD voice codec, there is high intelligibility and clarity of audio from the paging adapter for IP paging of voice announcements and emergency notification. The isolated and balanced line output ensures there is no hum or noise.

Advanced Scheduler

The Algo 8301 IP Paging Adapter also features a built-in scheduler for automating the playing of WAV file tones,



including bells, announcements, and customized audio files. The scheduler uses Network Time Protocol (NTP) to synchronize with IP clocks, and is ideal for schools, retail and healthcare announcements. Audio is available to be played via the line out and/or as a multicast. No SIP registration is required for configuring the scheduler.

Multicast Scalable

Algo IP Paging Adapters support multicast send or receive. A single registered paging adapter can be configured to multicast to any number and mix of Algo IP speakers, strobe lights, paging adapters and multicast supported IP telephones.

FEATURES



Legacy Paging Integration
Balanced line output to legacy amplifier.



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



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



Multicast Capable
Scalable via RTP multicast.



Wide UC-Compatibility
3rd party, SIP complaint devices.



Network Configurable
Remote managed via user-friendly web interface.

IP Strobe Lights for Telephone, Safety, Security & Emergency Alerting – PoE

Algo's IP Strobe Lights deliver highly notable visual alerting for telephone ring detection, safety, security, and emergency notification. Utilizing long-life LEDs Algo strobe lights assure key notification in noisy environments when audible alerting will not suffice.

Activation is triggered by a telephone ring event using SIP registration to most unified communications and emergency notification platforms. Algo Visual Alerters can also be activated by multicast or RESTful API.

Long-Life, Highly Visible LEDs

Algo IP Visual Alerters are equipped with high intensity, long-life LEDs. Providing 360 x 180 degree visibility whether steady-state on or flashing, the bright LEDs are visible from any direction allowing installation in any orientation including wall or ceiling mount.

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, selectable flash patterns and three levels of intensity allow 180 possibilities for distinctive alerting including steady-state on.

Visual Ring Alerting

The ring extension on Algo Visual Alerters is used for telephone visual ringing / ring alerting. The visual alerters



will flash when this extension is called. Typically the strobe light will be configured in a ring group to include a telephone(s). The strobe light will flash for the duration of the ring event until the call is answered. Multiple flash patterns are available to choose from.

Multicast Scalable

Algo IP Visual Alerters supports multicast send or receive. As a result, many Algo alerters can be deployed to cover any size building, campus or enterprise. There is no limit to the number of devices receiving a multicast, and a minimum of network traffic activity is utilized. Multiple alerters activated by multicast will flash in a synchronized pattern.

FEATURES



High Visibility

360 x 180° high visibility from wall or ceiling.



Durable Outdoor-rated

Long-life LEDs for extended product life.



PoE/PoE+ Powered

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



Secure SIP

Using TLS and SRTP.



Wide UC-Compatibility

3rd party, SIP complaint devices.



Network Configurable

Remote managed via user-friendly web interface.

**8180 IP AUDIO ALERTER**

Wall mount SIP compliant speaker for loud ringing, notification, and voice paging. Supports both multicast for scalability and integration with IP phones for voice paging. PoE powered, play pre-recorded WAV files, integrated microphone, ambient noise detection and G.722 wideband audio.

algosolutions.com/8180

**8186 IP HORN SPEAKER**

Outdoor-rated SIP compliant horn speaker for voice paging, emergency alerting, and loud ringing in large spaces or outdoor environments. Supports both multicast for scalability and integration with IP phones for voice paging. PoE powered, play pre-recorded WAV files, integrated microphone, ambient noise detection and G.722 wideband audio.

algosolutions.com/8186

**8188 IP CEILING SPEAKER**

Ceiling mount SIP compliant speaker for high intelligibility voice paging, notification, and background music. Supports both multicast for scalability and integration with IP phones for voice paging. PoE powered, play pre-recorded WAV files, integrated microphone, ambient noise detection and G.722 wideband audio.

algosolutions.com/8188

**8301 IP PAGING ADAPTER & SCHEDULER**

Provides a balanced and isolated audio output for integrating traditional paging amplifiers to an IP environment. Embedded bell scheduler for automated bells, tones, and announcements. PoE powered, music input, play pre-recorded WAV files, and G.722 wideband audio.

algosolutions.com/8301

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

Wall mounted combination speaker, digital clock and multi-color strobe light for classroom and commercial public address applications. Four speaker array provides improved sound distribution in classrooms. PoE+, high visibility white LED clock, powered, play pre-recorded WAV files, integrated microphone, ambient noise detection and G.722 wideband audio.

algosolutions.com/8190S

**8196 IP POE+ HORN SPEAKER**

Outdoor-rated SIP compliant horn speaker for voice paging, emergency alerting, and loud ringing in large spaces or outdoor environments. Satellite speaker technology enables powering and supervising up to three satellite speakers. PoE+ powered, integrated microphone, ambient noise detection and G.722 wideband audio. Reduces overall project costs.

algosolutions.com/8196

**8198 IP POE+ CEILING SPEAKER**

Ceiling mount SIP compliant speaker for high intelligibility voice paging, notification, and background music. Satellite speaker technology enables powering and supervising up to three satellite speakers. PoE+ powered, integrated microphone, ambient noise detection and G.722 wideband audio. Reduces overall project costs.

algosolutions.com/8198

**8373 IP ZONE PAGING ADAPTER**

Provides a balanced and isolated audio output to a traditional zoned amplifier for integration into a IP environment. Eliminates the need for a legacy zone controller and can be deployed to add new page zones. PoE powered, remote configurable, and G.722 wideband audio.

algosolutions.com/8373

**8128 IP VISUAL ALERTER**

High visibility strobe light for notification, safety and telephone ring alerting where noise, noise sensitivity or hearing impairment are at issue. Multicast capable, multiple flash patterns, high visibility LEDs, PoE powered, and outdoor rated. Available optional colored lens caps.

algosolutions.com/8128

**8138 IP COLOR VISUAL ALERTER**

High visibility, four colored strobe light for notification, safety and telephone ring alerting where noise, noise sensitivity or hearing impairment are at issue. Utilize multi-colored alerting to signal different events. Multicast capable, multiple flash patterns, high visibility LEDs, PoE powered, and outdoor rated.

algosolutions.com/8138

**1202 CALL BUTTON**

For improved customer service or emergency and non-emergency notification, the 1202 Call Button offers a highly visible one-touch activation method for triggering an event. Compatible accessory with any Algo IP speaker, IP Strobe light, 8301 IP Paging Adapter or 8063 IP Door Controller.

algosolutions.com/1202

**8300 CONTROLLER**

Centralized device monitoring and supervision of Algo IP endpoints. Device status is displayed in a convenient browser-based dashboard, with available options to configure notification alerts or fault reporting. The 8300 is also capable of executing certain provisioning activities for Algo IP Endpoints.

algosolutions.com/8300

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

SIP compliant intercom for hands-free visitor communication at a secure door or gate. Unique two-part solution retains network access inside premise with door station deployed by single pair wiring; ideal for added security or retrofit installation. PoE powered, two-way audio, door open control. Vandal-resistant option available.

algosolutions.com/8028

**8201 IP POE INTERCOM**

SIP compliant intercom for hands-free visitor communication at a secure door or gate. Compact form factor for interior and exterior secure entrances and access points. PoE powered, two-way audio, door open control. Vandal-resistant option available.

algosolutions.com/8201

**8036 IP MULTIMEDIA INTERCOM**

SIP compliant multimedia intercom combining the functionality of an IP phone, security camera, and interactive kiosk all in a rugged weatherproof enclosure for public access or outdoor locations. PoE powered, two-way audio, video, touch display, customizable images, and touchscreen navigation

algosolutions.com/8036

**8039 IP VIDEO MULLION INTERCOM**

SIP compliant wide-angle video intercom designed for hands-free visitor communication at a secure door entrance framed in a mullion or general entry point. High resolution dewarped 180° field of view with programmable keypad functionality to enable direct dialing or access control. PoE powered, two-way audio, door open control.

algosolutions.com/8039

