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 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.

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ALGO | **zoom**

Algo is a Zoom Hardware Partner. Algo products have been tested and certified by Zoom for compatibility and interoperability for voice paging, alerting, and secure door entry.

Algo is a registered Zoom Certified Partner. Algo's innovative suite of Zoom certified IP Speakers, Intercoms, Visual Alerters, and Paging Adapters are feature-rich and ideally suited for Zoom collaboration environments. Algo IP endpoints are PoE powered, web configurable, and multicast capable.

Deploying Algo within Zoom Environments

Algo IP Endpoints are ideally designed to integrate within a Zoom ecosystem; expanding the communication capabilities of a core Zoom system to include on-premise voice paging, loud ringing, emergency alerting, and secure door entry control. Algo's endpoints have been deployed with Zoom across many verticals including education, retail, and manufacturing environments.

Commonly, Algo IP Endpoints are combined with Zoom for use in education environments. A typical application in a school would include the combination of speakers, visual alerters, and intercoms for voice paging, emergency notification, and managing school entry points. In classrooms, the 8190S IP Speaker - Clock & Visual Alerter is often deployed for day-to-day voice paging requirements as well as for providing a high visibility clock and attention-getting visual alerters. In hallways, organizations typically deploy IP Ceiling Speakers, such as the 8198 PoE+ IP Ceiling Speaker, for general voice paging needs, or the 8410 IP Display Speaker for the combined functionality of voice paging and visual communication. For managing daily announcements and bell schedules, the 8301 IP Paging Adapter is commonly deployed.

Algo devices are also successfully deployed with Zoom for industrial applications such as in manufacturing facilities. Algo IP Speakers, such as the 8186 IP Horn Speaker are the ideal addition to Zoom ecosystems where high ambient noise requires very loud speakers to deliver messages effectively. The rugged, waterproof (IP66) design ensures the speakers will hold up to the tough environmental conditions. In extremely loud environments or where hearing protection is worn, Algo IP Visual Alerters like the 8138 IP Color Visual Alerter are deployed to ensure messages and alerts are signaled visually.

COMMON PRODUCTS DEPLOYED WITH ZOOM

Algo 8190S IP Speaker - Clock & Visual Alerter	Algo 8188 IP Ceiling Speaker	Algo 8186 IP Horn Speaker	Algo 8138 IP Color Visual Alerter

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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.

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).

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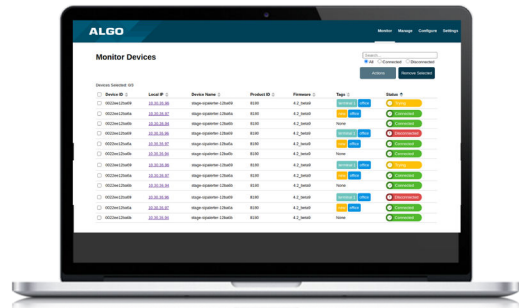
Advanced Calendaring Functionality
For automated bell, tones and announcements (Algo 8301).

Multicast Capability
Scalable via RTP multicast.

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.

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

IP Visual Display Speakers for Visual and Audio Alerting, Notification, & Communication

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.

Integrated Audio and Visual Communication
Algo IP Visual Display Speakers are designed for optimum visual and audible notification. The LCD screen, speakers, and strobe LEDs enable informative visual content to be displayed on screen and played over the speakers for effective voice paging, notification, and emergency alerting. When idle, the display speakers will sleep, or display either an image or clock (analog and/or digital) synchronized with NTP.

Powerful Audio and Visual Display Technology
The display speaker is equipped with a highly visible 15.6″ wide-viewing angle LCD screen to be easily seen from most angles. The device also includes three wideband capable speakers to enable highly intelligible voice paging. When combined, Algo Display Speakers create effective attention-grabbing audio and visual communication.

Customizable LCD Display
15.6″ 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.

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 PA applications. Four speaker line array provides improved sound distribution in classrooms. PoE+ powered, high visibility white LED clock, play pre-recorded WAV files, integrated microphone, ambient noise detection and wideband audio (G.722 voice codec).

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 wideband audio (G.722 voice codec). 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 wideband audio (G.722 voice codec). 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 an IP environment. Eliminates the need for a legacy zone controller and can be deployed to add new page zones. PoE powered, remote configurable, and wideband audio (G.722 voice codec).

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. Optional colored lens caps are available for customized alerting.

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

8410 IP DISPLAY SPEAKER

IP visual and audio alerting with voice paging and talkback capabilities. The LCD screen enables multiple display options, including analog or digital clock viewing, scrolling text, visual paging, wayfinding, and all with customizable color options. The speaker uses wideband audio for clear, intelligible speech.

algosolutions.com/8410

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 with 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 door or gate 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