

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.

IP Speakers

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.

IP Displays

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

IP Visual Alerters

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.

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IP Intercoms

Endpoint Supervision

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).

IP Buttons for Reliable Call and Alert Initation



Algo IP Buttons with configurable visual feedback deliver reliable call and alert initiation from a single press. Actively monitored and PoE-powered, each button operates independently, available in single or dual-button configurations for dependable everyday communication and emergency response.

Accessory buttons
Connecting through the smart relay interface, accessory buttons are powered and supervised by a compatible Algo IP endpoint — operating as a managed extension of the host device.

Configurable Multi-Color LED Indication
Programmable multi-color LEDs with configurable states and flash patterns confirm activation and convey system status to users.

Versatile Deployment and Flexible Identification
IP buttons support interchangeable labeling by site, workflow, or response type. An optional protective cap cover reduces unintended activation while maintaining accessibility when needed.

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8450 IP CONSOLE

Flexible touchscreen broadcast and command station for initiating daily messages, emergency alerts, and building-wide communication.



8180 IP AUDIO ALERTER

Wall-mount speaker for loud ringing with wideband audio and multicast for voice paging.



8188 IP CEILING SPEAKER

PoE ceiling speaker with high intelligibility wideband audio for voice paging and background music.



8198 IP POE+ CEILING SPEAKER

PoE+ ceiling 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 delivering wideband audio for paging, alerts, and music



8199 IP POE+ SURFACE MOUNT SPEAKER

Indoor surface-mount speaker with satellite technology to power and supervise up to three satellite speakers with wideband audio.



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 using a 15.6" LCD screen, speakers, and LED flashers for highly customizable communications



8420 IP DUAL-SIDED DISPLAY SPEAKER

Dual-sided visual and audio alerting device for hallways and ceilings using a 15.6'' LCD screen, speaker and LED flashers.



8197 IP WEATHER-HARDENED HORN SPEAKER

Rugged IPX9 rated speaker for extreme conditions. Ideal for noisy outdoor areas without the need for gaskets or mounts.



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 with built-in four speaker array for improved sound distribution.



8138 IP COLOR VISUAL ALERTER

Four-colored strobe light with 180 combinations of flash patterns, intensity, and color for configuring distinct alerting signals.



8301 IP PAGING ADAPTER & SCHEDULER

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

Removes the need for a legacy controller by integrating analog with IP devices, providing balanced audio output and the ability to 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 via single pair wiring, ideal for added security or retrofit installation.



8039 IP VIDEO MULLION INTERCOM

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



8063 IP DOOR CONTROLLER

Digital I/O module for door control and automation, integrating 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.



8211 IP SINGLE BUTTON

Standalone SIP-enabled button that connects via PoE to instantly trigger a single action, such as a call or emergency alert. Features customizable LED indication and flexible labeling for clear status visibility.



8212 IP DUAL BUTTON

Standalone SIP-enabled button with two configurable actions, allowing users to trigger different alerts or workflows. Includes multi-color LED indication and interchangeable labeling for flexible deployment.

Learn More

Use this QR code to visit us online at algosolutions.com, where you can learn more about the products above and other Algo solutions.

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Note: Specifications are subject to change without notice. Some features may only be available in specific firmware or hardware releases.

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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

3com, 3CX, 8x8, alcatel, allworx, Asterisk, audiocodes, AVAYA, Bell, broadsoft, BT, cisco, Comcast, CyberTwice, epygi, FONALITY, FREEDOMVOICE, freePBX, FreeSWITCH, fuze, Genetec, Intrado Revolution, singlewire InformaCast, INTERACTIVE INTELLIGENCE, INTERMEDIA, GoTo, metaswitch, Microsoft Teams, Mitel, NEC, net2phone, netsapiens, nextiva, onsip, Panasonic, PBXACT, poly, RingCentral, SANGOMA, sipXcom, Skype, Sonus, Spectrum, talkswitch, TELUS, UNIFY, verizon, VONAGE, VOIP.MS, voyant, webex by cisco, Wildix, XORCOM, Yeastar, zoom, ZULTYS

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