

Algo 8373 Zone Paging Adaptor

Product Name: Algo 8373 Zone Paging Adaptor



Manufacturer: Algo

Model Number: Algo-8373

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The Algo 8373 is a PoE IP Paging Adapter for integrating existing and traditional zoned paging solutions into a VoIP environment, whether premise or hosted. Features include G.722 wideband support with isolated and balanced line output for optimum clarity and intelligibility without hum or noise. To the network side, the 8373 is a SIP endpoint for easy integration with an IP telephone system and easily configured using the intuitive web interface or provisioning capabilities. On the paging side, the 8373 provides balanced audio output using both an XLR connector and terminal block for easy connection to an amplifier, along with a dry contact closure if required by the amplifier.

Algo 8373 Key Features

- Three zone IP paging adapter for public address (PA).
- Isolated and balanced line output eliminates hum / noise to a traditional amplifier.
- Configurable line output supports amplifier input impedance between 600 Ohm and 10 kOhm.
- Eliminates a legacy zone controller, and the need for an FXS port or ATA and telephone answering device hardware.
- Simultaneously multicast to IP endpoints and provide line output audio to support both IP and analog infrastructure as one unified public address (PA) system.
- Wideband HD voice for high intelligibility speech.
- Configuration via user friendly web interface or auto-provisioning.
- Secure SIP using TLS and SRTP.
- PoE (IEEE 802.3af).
- Ideal for integrating legacy analog public address (PA) systems in education, retail, manufacturing, transport terminals (i.e., airports, bus and rail stations), healthcare, government and other commercial environments.

The high voltage audio output of the amplifier is wired back to the 8373 and connected to up to three separate speaker zones using high current internal zone control relays. The zone control relays are activated appropriately prior to paging based on the SIP extension called, multicast IP address received, or keypad input. For scalability, multiple 8373 Paging Adapters can be used to support as many page zones as required from a single amplifier. Further speech enhancement is provided by automatic level control, choice of frequency masks, and optional speech compression. Output level is compatible with consumer, commercial, and pro-audio amplifiers requiring either -10 dBm, 0 dBm, or +4 dBu line level. Multicast capability allows scalability for multiple amplifiers as well as integration with Algo IP speakers in zoned and large scale applications. The 8373 SIP Zone Paging Adapter is UL/CSA, FCC and CE certified. The paging adapter includes brackets for wall mounting and is a PoE device.

Algo 8373 Technical Specification

Power

- Power Input: PoE (IEEE 802.3af Class 0) 48V, 12.95W
- Max Power: 4W
- Idle Power: 2W

SIP Extensions

- 50 Page

SIP Signalling/Transport Protocols: UDP, TCP, TLS, RTP, SRTP
Multicast & Third-Party Compatibility

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• RTP Multicast (Send and Receive 50 Zones)
• Polycom Group Page

Configuration & Provisioning

• Configuration: Web interface or provisioning server
• Web Interface: HTTP, HTTPS
• Provisioning: TFTP, FTP, HTTP, HTTPS
• DHCP Options 66, 150, 160
• Reboot via SIP ‘check-sync’
• Supervision: Compatible with any third-party SNMP monitoring software or the Algo 8300 Controller.

Networking

• Networking: IPv4, DHCP, VLAN
• Link Layer: LLDP, CDP
• QoS: DSCP (SIP, RTP, RTCP)
• 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 Codecs: G.711 u-law, G.711 A-law, G.722 Wideband
• Audio Memory: 1 GByte audio storage

Input/Output

• Relay Output: Max 30 V 50 mA (normally open)

Environmental & Mechanical

• Environmental: 0 to + 40 °C (32 to 104 °F); 10-95% RH, non-condensing. Dry indoor locations only.
• Dimensions (Product): 6.75" x 4.3" x 1.18" (17.2 cm x 10.9 cm x 3.0 cm)
• Weight (Product): 0.95 lbs (0.4 kg)
• Weight (Shipping): 1.7 lbs (0.7 kg)

Compliance

• RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), EN60950

Price: £389.90