IP Paging Adapter for Traditional Analog Amplifiers with Zone Control

Connect the 8373 IP Zone Paging Adapter to a legacy amplifier to bridge analog paging systems to IP phone systems. The 8373 provides three (3) channel outputs allowing users to create three zones of speakers behind a single amplifier.

The 8373 IP Zone Paging Adapter provides zone control for existing legacy infrastructure in VoIP environments. The 8373 has a dry page output that directly connects to a legacy amplifier, eliminating the need for a legacy zone controller. The zone paging adapter ensures that the speaker zones behind the legacy amplifier is retained in an IP system.

The 8373 has three separate high-powered relays used to switch the output signal of a single amplifier for up to three different groups of speakers, referred to as zones or channels. The zone control relays are activated when either a SIP extension is called, a multicast IP address is received, or a telephone DTMF keypad is input. For large environments, multiple 8373 adapters can be used to support as many page zones as required with a deployment of one 8373 per three-zone amplifier.

The 8373 easily integrates into an IP telephone system, whether premise-based or hosted. A single registered zone paging adapter can be configured to multicast to any number or mix of Algo IP endpoints. Multicast can also be mapped to a specific zone on the 8373 or any combination of zones. While the 8373 can replace answering devices and eliminate the need for an FXS port or analog terminal adapter (ATA), it is only recommended for a single amplifier.

FEATURES

— 3 relays to add channels, removing need for an additional zone controller
— Isolated balanced line output to reduce hum/ noise to amplifier
— Configurable line output that supports amplifier impedance between 600 Ohm to 10 kOhm
— Secure SIP using TLS and SRTP
— Wideband HD audio (G.722 voice codec)
— Configurable via user-friendly web interface or auto-provisioning
— Configure up to 50 IP page zones
— PoE powered (IEEE 802.3af)

APPLICATIONS

— Ensure seamless connectivity between IP and legacy infrastructure.
— Add three channels behind legacy amplifier, wiring three strings of speakers for zoned paging.
— Leverage multicast to extend communication reach to IP speakers while broadcasting to analog speakers via the amplifier.
— Deliver clear, intelligible voice paging solutions to any size building or enterprise in education, healthcare, retail, manufacturing, transportation, government, and many other verticals.

Algo Communication Products Ltd.

4500 BEEDIE ST, BURNABY V5J 5L2, BC, CANADA

ALGOSOLUTIONS.COM

PS-8373-150224

INFO 1-604-454-3790

SUPPORT 1-604-454-3790

POWER

POWER SOURCE	PoE (IEEE 802.3af Class 0) 48 V, 15.4 W
MAX POWER (AT DEVICE)	4 W
IDLE POWER	2 W

SIP

SIP EXTENSIONS	50 Page
SIP SIGNALLING/ TRANSPORT PROTOCOLS	UDP, TCP, RTP
SECURITY	TLS, SRTP, Mutual Authentication
AUDIO CODECS	G.711 u-law, G.711 A-law, G.722 Wideband

MULTICAST

RTP MULTICAST	Send and Receive 50 Zones
AUDIO CODECS	G.711 u-law, G.711 A-law, G.722 Wideband, Opus Fullband

COMPATIBILITY

THIRD PARTIES	• RESTful API • Poly Group Page • Microsoft Teams

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'
ZTP	Supported
SUPERVISION	Compatible with Algo Device Mangement Platform (ADMP), Algo 8300 IP Controller, any third-party SNMP monitoring software, and RTCP

NETWORKING

NETWORKING	IPv4, IPv6, DHCP, VLAN, MDNS
LINK LAYER	LLDP, CDP
SECURITY	IEEE 802.1X
QoS	DSCP
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 MEMORY & FORMAT	1 GB audio storage for WAV or MP3 files
AUDIO CONTROLS	Volume, AGC, Latency, LF Cut
ANTI-FEEDBACK DELAY	Cache to memory and release
AUDIO DELAY	Programmable 1-1000 ms synchronization delay

INPUT/OUTPUT

LINE OUT MINI-XLR	Balanced and isolated audio ouptut to external amplifier Locking mini-XLR female to standard XLR male cable available Output level defined using web interface
TERMINAL BLOCK LINE OUT	Balanced and isolated wire pair output to external amplifier Parallel to mini-XLR line out (polarity independent)
AMP IN	Input for high power output (25 V, 70 V, 100 V) from the amplifier
CHANNEL 1/2/3	Output to speaker(s)
RELAY OUTPUT	Max 30 V, 50 mA (normally open)

POWER RATING FOR AUDIO CHANNEL SWITCHES

100 V AUDIO	720 W
70 V AUDIO	500 W
25 V AUDIO	180 W

The above is true, whether one, two, or all three channels are active.

ENVIRONMENTAL & MECHANICAL

ENVIRONMENTAL	0 to 40 deg C (32 to 104 deg 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)	0.9 lbs (0.4 kg)
WEIGHT (SHIPPING)	1.7 lbs (0.7 kg)
MOUNTING	Snap mounting bracket included

COMPLIANCE

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

FRONT

BACK
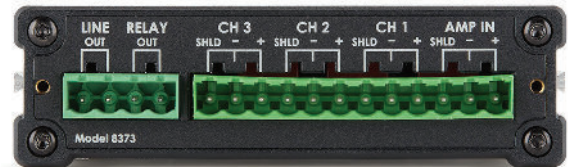
ORDERING CODES:

8373 Paging Adapter with Wall Mount Bracket
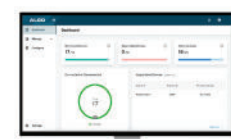
COMPATIBLE PRODUCTS:

8301 IP Paging Adapter
ADMP Ago Device Management Platform

8301 (FRONT/BACK) **ADMP**

Balanced Audio Cables:
2504 Output Mini-XLR Female to XLR Male
2505 Input Mini-XLR Male to XLR Female
Other cables available on request