



IP Paging Adapter for Traditional Analog Amplifiers with Zone Control

The 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.

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.

Specifications:

Power Input:	48 V PoE IEEE 802.3af Class 0 (Max 4.5W - Idle nominal 2.0W)
SIP:	7 Page extensions map to possible zone permutations + 1 page extension for keypad zone control + 1 extension for notification.
Multicast:	Transmit or receive using multicast IP address mapped to paging zone(s).
Codec Support:	G.711 A-law, G.711 u-law, G.722, Polycom Group Page, OGG Vorbis (other codec support available on request).
Processor:	Linux OS ARM Cortex-A8 32-Bit RISC Processor
Line Output:	Low impedance balanced output. Line level -10 dBm / 0 dBm / +4 dBu. Transformer isolated internally. Male mini-XLR connector and pluggable terminal block. Frequency response 100-7000 Hz +/- 3dB.
Audio Memory:	1 GByte
WAV Files:	Customizable. Includes chime, gong, bell, warble, barking dogs.
Speech Processing:	ALC, filtering, compression
Audio Delay:	Programmable 1-1000 ms synchronization delay
Page Mode:	Live or cache and release.
Page Zones:	Based on SIP extension called, received multicast IP Address, or keypad events for 8373 configured as page SIP extension.
Relay Output:	Normally open or normally closed. Max rating 30 V 50 mA.
Configuration:	Web interface (HTTP or HTTPS) or auto-provisioning server.
Provisioning:	TFTP, FTP, HTTP
Supervision:	SNMP
NAT:	STUN, CRLF Keep Alive
Environmental:	+32 to +122 deg F (0 to +50 deg C); Suitable for dry indoor environments only.
Dimensions:	6.5" x 4.3" x 1.3" (16.5 cm x 10.9 x 3.3 cm)
Mounting:	Wall mountable or tabletop
Weight:	2.2 lb (1.0 kg)
Compliance:	EN60950:2001, IEEE 802.3-2008, RFC3261, RoHS, CE, FCC Class B, CISPR 22 Class B, CISPR 24, CSA/UL (USA & Canada)



Front View



Rear View



Wall Mount Bracket

Order Code:

8373 Paging Adapter with Wall Mount Bracket

Optional Accessories:



2504 XLR-Mini Female to XLR Male Balanced Audio Cable

Other cables available on request