IP Paging Adapter for Traditional Analog Amplifiers

The 8301 is a PoE IP Paging Adapter for integrating existing and traditional 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 8301 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 8301 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.

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.

An audio input (also balanced and isolated to prevent equipment ground loops) can be used for auxiliary input or insertion of the 8301 between existing equipment. This allows IP based paging or emergency notification to take control of the amplifier as necessary.

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 3.84W - Idle nominal 2.0W)
SIP:	Dual extensions for Page or Alerting
Multicast:	Receive or transmit
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
AUX Input:	3.5mm jack for analog music input
AUX Output:	3.5mm jack for headset or PC speakers
Line Input:	Female mini-XLR 10 kOhm balanced maximum level +4 dBu. Transformer isolated internally.
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 Zone:	Based on received multicast IP Address or keypad events for 8301 configured as page SIP extension.
Relay Output:	Normally open or normally closed. Max rating 30 V 50 mA.
Relay Input:	Normally open or normally closed dry contact supervision. Algo 1202 Call Button, Algo 1203 Call Switch, EOL resistor termination.
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 cm x 3.3 cm)
Mounting:	Wall mountable or tabletop
Weight:	2.2 lb (1.0 kg)

Front View

Rear View

Wall Mount Bracket

Order Code:

8301   Paging Adapter with Wall Mount Bracket

Optional Accessories:

1202   1203   Balanced Audio Cables:
2504 Output XLR-Mini Female to XLR Male
2505 Input XLR-Mini Male to XLR Female
Other cables available on request

Algo Communication Products Ltd.
604-454-3790
info@algosolutions.com
4500 Beedie Street, Burnaby, B.C. Canada V5J 5L2

ALGO
www.algosolutions.com