8305 MULTI-INTERFACE IP PAGING ADAPTER

IP paging adapter and scheduler for legacy communications systems

Connect the Algo 8305 Multi-Interface IP Paging Adapter to a telephone port (FXS) on a legacy communication system to bridge analog paging systems and IP environments.



INTEGRATE LEGACY WITH MODERN PAGING SYSTEMS

The 8305 has three key connection points: a telephone port that emulates an analog telephone, an 8 Ω output that can connect to self-amplified speakers, and a line output. As a SIP-compliant device, the 8305 makes it possible connect existing legacy paging systems to VoIP or UCaaS platforms. The 8305 is also multicast capable enabling legacy systems to be used alongside IP devices.

SCHEDULE AND AUTOMATE

Using the web interface, you can schedule announcements to play automatically. Set up is easy no matter if you want to schedule single or multiple events such as bells, safety reminders, or holiday announcements. Additionally, emergency alerts can be activated by dialing a set extension or via a device, like a button, connected to the relay input to provide contact closure.

SCALE WITH EASE

The 8305 is a PoE device that uses SIP, multicast, APIs, and smart relays to connect diverse paging systems, services, and devices. This gives you further control of how your communication system operates and simplifies the process of growing your paging system alongside facility upgrades.

KEY FEATURES

- SIP-compliant, PoE
- Secure SIP using TLS and SRTP
- Multicast capable
- Telephone port that emulates an analog telephone (connects to an FXS port on a legacy amplifier)
- 8 Ω output port (connect to self-amplified speakers)
- Schedule bells, tones, and automated announcements
- Wideband HD audio (G.722 voice codec) for high intelligibility speech
- Configure up to 50 page zones

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8305 MULTI-INTERFACE IP PAGING ADAPTER

INPUT/OUTPUT

TELEPHONE PORT	Emulates an analog phone. Capable of ring detection and on-hook/off-hook
8 Ω OUTPUT	Balanced and isolated wire pair output to external self-amplified speakers. Load impedance of 2 kΩ down to 8 Ω*. Max output of +3 dBm @ 8 Ω, +1.5 dB higher at 2 kΩ *Intended use is nominal 2 kΩ or 1 kΩ self-amplified speakers connected in parallel to a total minimum resistance of 8 Ω
LINE OUT	Balanced and isolated wire pair output to external amplifier. Output level defined using web interface. Polarity independent.
RELAY INPUT	Normally open or normally closed dry contact with supervision. Compatible with Algo 1202 Call Button, 1203 Call Switch, 1204 Volume Control or EOL resistor termination.
RELAY OUTPUT	Max 30 V 50 mA (normally open)
AUX OUT	3.5 mm jack for analog line level output for compatible PC speakers or headset. Non isolated.

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 • 10 Emergency Alert • 10 Ring
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™ • Singlewire InformaCast® (additional license required) • Intrado OneAlert® • 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

THRESHOLD

	ACTIVE	IDLE	TAMPER
NORMALLY OPEN	> 4 mA	< 4 mA	N/A
NORMALLY OPEN WITH SUPERVISION	> 20 mA	4-20 mA	< 4 mA
NORMALLY CLOSED	< 4 mA	> 4 mA	N/A
NORMALLY CLOSED WITH SUPERVISION	4-20 mA	> 20 mA	< 4 mA
NOMINAL 12 V SOURCE, CURRENT LIMITED TO 40 MA	Typical supervision resistor value = 1 k Ohm		

ENVIRONMENTAL & MECHANICAL

ENVIRONMENTAL	0 to +40 deg C (32 to 104 deg F); 10-95% RH non-condensing. Dry indoor locations only.
DIMENSIONS (PRODUCT)	6.9" × 4.3" × 1.3" (17.5 cm × 10.9 cm × 3.2 cm)
WEIGHT (PRODUCT)	0.9 lbs (0.4 kg)
WEIGHT (SHIPPING)	1.5 lbs (0.7 kg)
MOUNTING	Snap mounting bracket included

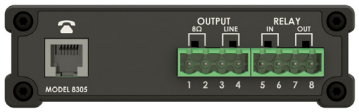
COMPLIANCE

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

FRONT



BACK



ORDERING CODES:

8305 Multi-Interface IP Paging Adapter
8305-IC InformaCast Multi-Interface IP Paging Adapter

COMPATIBLE ACCESSORIES:

1202 Call Button
1203 Call Switch
1204 Volume Control

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