

Make your IP System ready for Multicast Audio

Plug and Transmit: Based on open standards, the IP-A1PG Paging Gateway plugs right into standard IP networks and can be easily integrated into your video management system (VMS) or SIP-based communication system. A single standard network cable provides both power and connectivity with your network.

Flexible Group Paging: The IP-A1PG IP Paging Gateway converts SIP/ONVIF* calls into multicast streams for delivering the group paging function also to systems that are not multicast-ready.

Furthermore, it provides a multicast-ready audio input and the possibility to send sets of HTTP commands into the network, triggered by the API or control inputs. Connect an analogue audio source as audio players for BGM or microphones and distribute this audio to various IP devices in the network simultaneously.

Easy-to-use scheduler: By accessing the web interface, endusers can create flexible time schedules according to their personal requirements. The intuitive layout and quick control leave nothing to be desired.

Application Examples:

Office buildings with a video management system and the need to perform paging into a customized combination of rooms/zones: The IP-A1PG converts the audio calls of the VMS into multicast to address groups of loudspeakers in single rooms, entire floors or the entire building.



Article number:IP-A1PG

Specifications

Indicator	STATUS (green/blue/orange/red), LINE/MIC IN (green/red), OUTPUT (green), LINK/ACT (green)
Internal audio files	Max. 20 messages (Max. recording capacity: 80 MB) Supported file formats: WAV file: 8/16/44.1/48 kHz sampling frequency, 8/16 bit, monoaural/stereo MP3 file: 32/44.1/48 kHz sampling frequency, 64 - 320 kbps, CBR/VBR, monoaural/stereo Repeat playback: Playcount (1 - 10 times) or Duration (5 - 3600 s) Interval time: 0 - 60 s, Delay time: 0 - 30 s
Audio input	1 channel, electronically-balanced, 10k Ω LINE/MIC selectable (Rated input: LINE 0 dBV, MIC: -60 dBV) PAD function (-20 dBV), Phantom power ON/OFF (12 V DC), volume adjustable removable terminal block (6 pins)
Audio Codec	PCMU (G.711u), PCMA (G.711a), G.722
Audio output	Monitor output: 1 channel, electronically-balanced, 600 Ω or less Rated output: 0 dBV, RCA pin jack
Power source	PoE (IEEE802.3af Class 3)
Control input	4 channels, no-voltage make contact inputs, open voltage: 5 V DC, short-circuit current: 2 mA or less, removable terminal block (6 pins) Mute control input: 1 channel, 24 V DC cut signal, control current: 5 mA or less, removable terminal block (2 pins)
Network audio I/F	Audio transmission Transmit internal messages by multicast audio streaming Transmit audio from audio input connected devices by multicast audio streaming Audio conversion Convert SIP voice to multicast audio stream and transmit Convert ONVIF Audio Backchannel audio to multicast audio stream and transmit ONVIF is a registered trademark of ONVIF Inc.
Power consumption	2.5 W
Control output	1 channel, open collector output, withstand voltage: 30 V DC, control current: 10 mA or less, removable terminal block (6 pins)
Network control I/F	Reception: Remote API (HTTP commands) Transmission: 20 HTTP commands can be registered in each of 10 command sets
Network I/F	100BASE-TX, Auto MDI/MDI-X, RJ-45 connector
Network protocol	TCP/IP, UDP, HTTP, RTP, RTSP, RTCP, ARP, ICMP, IGMPv3, NTP, SIP (RFC3261)
Clock Accuracy	± 13 s per month, Power outage protection period: 24 h (RTC time retention, at 40 °C)
Time Adjustment	Manual time setting, Time adjustment by NTP
Finish	Steel plate, surface-treated, paint, black,
Operating humidity	90% RH or less (no condensation)
Operating temperature	0 °C to +40 °C



IP-A1PG

Appearance