Combine the Strengths of the IP and the Analogue Audio World

Plug & Receive: Based on open standards, the IP-A1AF Audio Interface plugs right into standard IP networks and can be easily integrated into your video management system (VMS) or SIP-based communication system with a single standard network cable provides both power and connectivity with your network.

The IP-A1AF IP Audio Interface can integrate analogue receiving devices into your network as e.g., conventional low impedance speakers or local PA systems. A wide variety of low impedance speakers like TOA's F-series can therefore be turned into IP speakers. Furthermore, PA or BGM systems without SIP or ONVIF interface can now be integrated into your network solutions.

Flexible group paging: The IP Audio Interface can also be addressed via multicast, enabling audio paging into groups or larger zones of IP audio devices simultaneously.

Application examples:

Event rooms with high power analogue PA systems can be integrated into VMS or SIP telephone systems. Retail chains with existing local PA/BGM systems can be integrated into IP solutions providing network control and centralized management opportunities.

Article number:IP-A1AF

Specifications

Indicator	STATUS (green/blue/orange/red), LINE/MIC IN (green/red), OUTPUT (green), LINK/ACT (green)

Internal Messages	Max. 20 messages (Max. recording capacity: 80 MB)
	Supported file formats:
	   WAV file: 8/16/44.1/48 kHz sampling frequency, 8/16 bit, monaural/stereo
	   MP3 file: 32/44.1/48 kHz sampling frequency, 64 - 320 kbps, CBR/VBR, monaural/stereo
	Repeat playback: Playcount (1 - 10 times), Duration (5 - 3600 s)
	               or Timer (from start time to end time)
	Interval time: 0 - 60 s, Delay time: 0 - 30 s
	Trigger: Control Input or Remote API (HTTP)

Audio input	1 channel, electronically-balanced, 10kΩ 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	1 channel, electronically-balanced, 600 Ω or less Rated input: 0 dBV, removable terminal block (6 pins)
Power source	PoE+ (IEEE802.3af Class 4) , PoE (IEEE802.3af Class 3)
Rated output	15 W (at PoE+ powered, 8 Ω) 8 W (at PoE powered, 8 Ω) Applicable impedance 8 - 16 Ω
Broadcasting Mode	SIP Broadcasting/SIP Calling Mode: PCMU/PCMA/G.722, P2P/SIP Server Connection Multicast Broadcasting Mode: PCMU/PCMA/G.722, Auto codec recognition, 20 ports VMS Broadcasting Mode: ONVIF Audio Backchannel, PCMU Internal Message Broadcasting Mode Note: Each broadcast mode can be assigned an order of priority using the Priority Setting function. ONVIF is a registered trademark of ONVIF Inc.
Control input	2 channels, no-voltage make contact inputs, open voltage: 5 V DC, short-circuit current: 10 mA or less, removable terminal block (6 pins)
Frequency response	50 Hz - 20 kHz
Power consumption	22 W (at PoE+ powered, rated output) 12.95 W (at PoE powered, rated output) 5 W (IEC62368-1)
Control output	1 channel, open collector output, withstand voltage: 30 V DC, control current: 10 mA or less, removable terminal block (6 pins)
Digital control I/F	Remote API (HTTP commands)
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	-30 °C to +55 °C

Appearance