MediaPack™ Series

Analog VoIP Gateways (MP-11X, MP-124)

The AudioCodes **MediaPack™ Series** of analog VoIP gateways are cost-effective, best-of-breed technology products. These stand-alone gateways provide superior voice technology for connecting legacy telephones, fax machines and PBX systems with IP-based telephony networks, as well as for integration with IP PBX systems.

Fully interoperable with leading softswitches and SIP servers, MediaPack gateways are ideal for commercial VoIP deployment due to their mature and field-proven voice and fax technology. Their rich feature set allows integration with a wide range of carrier and enterprise network applications.

2 to 24 Analog Ports | Zero-Touch Provisioning | Standalone Survivability | T.38 Fax Compliant

Wide versatility
Provides voice, fax and modem support

High resiliency
Standalone survivability (SAS) and fallback to PSTN for E911 (emergency number PSTN breakthrough) or upon network/power failure

Broad interoperability
Proven integration with leading PBXs, IP-PBXs and softswitches

Superior quality
Toll quality voice compression

Enhanced capabilities
Includes MWI, long haul, metering tones generation and caller ID

audiocodes

Specifications

Interfaces

Telephony Interfaces	MP-112	MP-114 and MP-118	MP-124
Analog Signaling	2 ports, FXS loop-start	4/8 ports, FXS, FXO loop-start	24 ports, FXS loop-start
Network Interface	10/100 BASE-T, RJ-45		

Media Capabilities

Voice Coders	G.711 (A-law and μ-law), G.723.1, G.726, G.727, G.729A/B, G.722
VoIP Features	G.168-2004 echo cancellation, silence detection and comfort noise generation, dynamic programmable jitter buffer
Call Progress Tones	Programmable detection and generation tones, pre-recorded tones generation
DTMF	In-band and out-of-band signaling, RFC 2833, SIP INFO/NOTIFY
Fax Over IP	Group 3/super G3 fax over IP, T.38 relay, automatic switching to G.711

IP Networking and Telephony Protocols

VLAN	802.1 p/Q VLAN tagging
IP Transport	IPV4/IPV6*, DiffServ, TOS
Control Protocols	SIP (RFC 3261) over UDP, TCP and TLS (1.2)
Media Protocols	RTP (RFC 3550), SRTP (RFC 3711), RTCP (RFC 3550), RTCP-XR (RFC 3611)

Management Protocols

OAM&P	• Web GUI, SSH/Telnet, SNMP v2/v3, INI file • AudioCodes' One Voice Operation Center • User authentication and access control via RADIUS
Automatic Configuration	Zero-touch provisioning Configuration/firmware download via HTTP(s), FTP and TFTP DHCP-based provisioning - options 66, 67 and 160 VLAN ID discovery using LLDP
Voice Menu	Basic configuration using standard touch-tone phone (MP-11x only)

Survivability During Network Failure

PSTN Fallback	PSTN fallback upon power failure, IP connection failure, customer-defined IP QoS thresholds (MP-114 and MP-118)
Survivability	Stand Alone Survivability (SAS) for 25 SIP users

Analog Telephony Features

3-Way Conference	On-board 3-way conference
MWI	Message Waiting Indication: High (neon) and low (LED) voltage, FSK, stutter dial tone
Caller ID	Bellcore GR-30-CORE Type 1 using Bell 202 FSK modulation, ETSI Type 1, NTT, Denmark, India, Brazil, United Kingdom and DTMF ETSI CID (ETS 300-659-1)
Polarity Reversal/Wink	Immediate or smooth to prevent erroneous ringing
Metering Tones	12/16 KHz sinusoidal bursts, generation on FXS
Distinctive Ringing	By frequency (15-100 Hz) and cadence patterns

Subscriber Line Interface

Ring Voltage	Sine: 54 VRMS typical (balanced ringing only)
Ring Frequency	25-100Hz
Maximum Ringer Load	REN3
Loop Impedance	Up to 1,500 ohm for the MP-11x, up to 1,600 ohm for the MP-124 (including phone impedance)
Line Current	Up to 32 MA on 4 ports

Physical

	MP-112	MP-114 and MP-118	MP-124
Power	100-240 V AC/50-60 Hz	100-240 V AC/50-60 Hz	100-240 V AC/50-60 Hz or -48V DC
Environmental	Operational: 5 to 40°C (41 to 104°F) Storage: -25 to 85°C (-13 to 185°F) Humidity: 10 to 90% non-condensing		
Dimensions (HxWxD)	42x172x220 mm		44x445x269 mm
Mounting	Table top, wall mount, rack mount (with an optional shelf)		Rack mount, table top
Weight	MP-1xx: 0.5 kg (1.1 lbs.) approx.		MP-124: 1.8 kg (4 lbs.)

* IPV6 is supported only on the MP-124 on a dedicated software version

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