

AudioCodes Enabling Technology Products

MediaPack™ Series Analog VoIP Gateways (MP-102/104/108/124)



- Fax, voice and modem support
- Toll quality voice compression
- Enhanced capabilities including MWI, long haul, metering, CID
- Support for all standard control protocols
- Proven integration with leading PBXs, IP-PBXs, SoftSwitches, H.323 Gatekeepers and SIP servers

The **MediaPack™ Series** Analog VoIP Gateways are cost-effective, cutting-edge technology solutions. These stand-alone analog VoIP Gateway subsystems provide superior voice technology for connecting legacy telephone or fax equipment and PBX systems with IP-based telephony networks, as well as for integration with new IP-based PBX architecture. These products are designed and tested to be fully interoperable with leading SoftSwitches, H.323 gatekeepers and SIP servers.

The MediaPack Series Analog VoIP Gateways are well-suited for commercial VoIP deployment. Field-proven voice and fax technology and feature-rich design makes the MP series an excellent solution for various emerging VoIP applications. The MediaPack series Analog VoIP Gateways are used in the voice VPN environment, centralized IVR and Quality Monitoring, calling card and pay phone markets. Ideal markets also include MTU (Multi Tenant Units), rural areas and remote analog extensions in a VoIP-based PBX or IP-PBX architecture.

DELIVER FEATURE-RICH SOLUTIONS

The MediaPack Series Analog VoIP Gateways are second generation products that have been designed to meet real market needs. In addition to superior voice technology, the products can provide long haul and lightning protection for outdoor installations; MWI, CID, and metering for true integration with existing telephony infrastructure. The MP Series is based on the VoIPerfect™ architecture, AudioCodes underlying, best-of-breed core technology for all of its products.

PROVIDE INTEROPERABILITY

The MediaPack Series is part of AudioCodes' complete family of stand-alone VoIP Gateways for OEM system integration. Throughout the years, AudioCodes has invested significant effort in complying with the leading and evolving VoIP standards. Support of all control protocols by the MP Series has been tested with leading SoftSwitch vendors. As a provider for OEMs, System Integrators and Network Equipment Providers, AudioCodes offers short time-to-market with second generation, ready to ship products.

BENEFIT FROM EXTENSIVE EXPERIENCE

AudioCodes, established in 1993, is one of the world's leading providers of VoIP technology. AudioCodes' commitment to innovation yields consistently high-quality voice processing products that are feature-rich and field-proven. AudioCodes has deployed close to 10 million VoP ports to date.

MEDIAPACK SERIES FEATURES

- Spans a range of 2 to 24 analog ports
- Supports PSTN/PBX analog telephone sets or analog trunk lines (FXS/FXO)
- Connection to the IP network via 10/100 Base-T Ethernet interface
- Selectable, multiple LBR coders per channel
- Internal power supply
- T.38 compliant
- Echo canceller, Jitter Buffer, VAD and CNG
- Complies with MGCP, MEGACO (H.248), H.323 (V4) and SIP (RFC 3261) control protocols
- Web Management for easy configuration and installation
- SNMP and syslog support

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MediaPack™ Series

SPECIFICATIONS

	MP-102 ¹	MP-104	MP-108	MP-124
Interfaces				
Telephone Interfaces	Dual RJ11	Quad RJ11	Octal RJ11	Standard 50-pin Telco connector
Life line	Automatic cut through of a single analog line in case of power failure (FXS version only)			Not Applicable
Network Interface	10/100 Base-T, RJ45			
Indicators	Channel status and activity leds			
Voice, Fax, Modem				
Voice over Packet Capabilities	G.168-2000 compliant Echo Cancellation, VAD, CNG, Dynamic programmable Jitter Buffer, modem detection and auto switch to PCM			
Voice Compression	G.711, G.723.1, G.726, G.727, G.729A, NetCoder® at 6.4–9.6 kbps			
Fax over IP	Group 3 fax relay up to 14.4 kbps with automatic fallback T.38 compliant			
Signaling				
Signaling	FXS Loop-start	FXS, FXO Loop-start		FXS Loop-start
In-band Signaling	<ul style="list-style-type: none"> DTMF (TIA 464B), MFR1, MFR2, AC15, SS4, SS5 User defined and call progress tones 			
Control	MGCP (RFC 2705), H.323 (V4), MEGACO (H.248), SIP (RFC 3261), AudioCodes VoIP Library API			
Provisioning	<ul style="list-style-type: none"> BootP, DHCP and TFTP Remote management using Web browser EMS (Element Management System) Syslog support 			
Physical				
Power	90-260VAC/47-63 Hz			
Environmental	Operational: 0 to 50°C Storage: -10 to 70°C Humidity: 10 to 90% non-condensing			
Dimensions (HxWxD)	44 x 220.3 x 240 mm			44 x 445 x 269 mm
Mounting	Wall mount, rack mount, table top			
Additional Features²				
Short and Long Haul	Up to 7000 meters at 24 AWG			Up to 3000 meters
Caller ID	Bellcore Type 1 & 2, ETSI Type 1 & 2, NTT number display			
Polarity Reversal	Immediate or smooth to prevent erroneous ringing			
Metering Tones	12/ 16KHz sinusoidal bursts			
Distinctive Ringing	By frequency (15-100 Hz) and cadence patterns			
Message Waiting Indication	DC voltage generation (TIA/EIA-464-B), V23 FSK data, Stutter dial tone			
Outdoor Protection	FXO as default configuration, FXS as special ordering option			

APPLICATIONS

- Enterprise VoIP deployment
- POTS and Fax extensions for IP PBX
- VoIP private PBX networking (Voice VPN)
- Centralized VoIP application servers as: UM, Recording and Quality Monitoring
- Calling Cards, Pay Phones, Hotels
- MTU (Multi Tenant Unit) access gateways

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUCD) enables the new voice infrastructure by providing innovative, reliable and cost-effective technology, products and system solutions to network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive voice-over-packet media gateway and media processing technologies and systems, leading the transition to converged voice and data communications networks. The company is a market leader in voice compression technology and the key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes' product lines include media gateway system solutions for packet networks in the wireline, wireless, broadband access, media server and enhanced voice services markets, as well as enabling technology products such as VoIP communication boards, VoIP media gateway modules and CPE devices.

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¹ Minimum Order of 100 units

² Please contact AudioCodes regarding availability in conjunction with the desired control protocol