

AudioCodes CPE & Access Gateway Products

MediaPack™ Series Analog VoIP Gateways (MP-11x) Series



- Fax, voice and modem support
- Toll quality voice compression
- Enhanced capabilities including MWI, long haul, metering, CID and out door protection
- Support of multiple 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 products. These stand-alone analog VoIP 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 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 are used in VoIP-based PBX or IP-PBX architecture as a mediation gateway and remote analog extension. It is also used for optimizing voice transmission over satellite links, pay phone networks, centralized IVR and Quality Monitoring applications. The MediaPack Series are vastly deployed in the MTU (Multi Tenant Units) broad band access networks, IP Centrex and rural areas.

DELIVER FEATURE-RICH SOLUTIONS

The MP-11x Analog VoIP Gateways product line are third generation products that have been designed to meet real market needs. In addition to superior voice technology, the products provide advanced telephony features such as long-haul, metering, country dependent MWI and CID for true integration with existing telephony infrastructure. Variety of management and provisioning tools, such as AudioCodes EMS, embedded web server, Telnet and SNMP enable fast deployment and management of large and complex networks. The MP Series is based on VoIPerfect™ architecture, AudioCodes' underlying, best-of-breed, core media gateway 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 multiple VoIP control protocols 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 field-proven 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 12 million VoIP ports in over 100 countries to date.

MP-11X FEATURES

- Spans a range of 2 to 8 FXS analog ports
- Selectable, multiple LBR coders per channel
- T.38 compliant
- Echo canceller, Jitter Buffer, VAD and CNG
- Complies with MGCP, H.323 (V4) and SIP control protocols
- Comprehensive support for supplementary services
- Enhanced capabilities including MWI, long-haul, metering, CID and out door protection
- Web Management for easy configuration and installation
- EMS for comprehensive management operations (FCAPS)

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MediaPack™ Series

SPECIFICATIONS

Interfaces	
Voice Ports	• MP-112 – 2 ports • MP-114 – 4 ports • MP-118 – 8 ports
Telephone Interfaces	FXS, RJ11
Life Line*	Automatic cut through of a single analog line in case of power failure
Network Interface	Single, 10/100 Base-T, RJ45
Indicators	Channel status and activity leds
Voice, Fax, Modem	
Voice over Packet Capabilities	G.168-2002 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.729A
Fax over IP	T.38 compliant
	Group 3 fax relay up to 14.4 kbps with automatic switching to PCM or ADPCM
QoS	Diffserve, TOS, 802.1 P/Q VLAN tagging*
IP Transport	RTP/RTCP per IETF RFC 3550 and 3551, PPPoE*
Signaling	
Signaling	FXS Loop-start
In-band Signaling	• DTMF (TIA 464B) • User defined and call progress tones
Control	MGCP (RFC 2705), H.323 (V4), SIP (RFC 3261)
Provisioning	• BootP, DHCP FTP and TFTP and HTTP* for software and configuration download • Remote management using Web browser • EMS (Element Management System) • Syslog support • RS-232 for basic configuration*
Security	
Media*	SRTP
Control*	H.235, IPSEC
Management*	HTTPS*, Access List, IPSEC
Physical	
Power	90-260 VAC/47-63 Hz
Environmental	Operational: 5 to 50 ⁰ C 41 to 104 ⁰ F Storage: -25 to 70 ⁰ C -77 to 158 ⁰ F Humidity: 10 to 90% non-condensing
Dimensions (HxWxD)	42 x 172 x 220mm
Mounting	Rack Mount, Table Top
Additional Features	
Short and Long Haul	• Up to 6000 meters at 24 AWG • REN 5
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT and DTMF based CID (India, Sweden, Denmark, Brazil)
Polarity Reversal / Wink	Immediate or smooth to prevent erroneous ringing
Metering Tones	12/16 KHz 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
Out Door Protection*	Over-voltage protection and surge immunity
Homologation	
EMC	• EN55022 Class B (emissions) • 47 CFR Part 15 Class B (emissions) • VCCI Class X1 (equals to class B) • EN55024 Immunity
Safety	EN60950-1 Safety of information technology equipment (for CE marking) IEC60950-1 CB Scheme + Certificate including all national deviations UL60950-1 Including compliance to section 6 which define over voltage protection.
Telecom	• TBR-21 • FCC Part 68

* Please contact AudioCodes for details

APPLICATIONS

- Converged access and IP Centrex for hosted services
- Multi Tenant Unit
- POTs and fax extensions for IP-PBX
- Voice VPN
- VoIP-enabled PBX
- Unified messaging and recording

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) enables the new voice infrastructure by providing innovative, reliable and cost-effective Voice over Packet technology and Voice Network products to OEMs, network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive media gateway and media processing technologies, based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media gateway architecture. The company is a market leader in voice compression technology and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the wireline, wireless, broadband access, and enhanced voice services markets. AudioCodes enabling technology products include VoIP and CTI communication boards, VoIP media gateway processors and modules, and CPE devices.

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