

ANALOG VOIP GATEWAYS (MP-IIX)

MediaPack™ Series AudioCodes CPE & Access Gateway Products

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 PBXsystems 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 **MediaPacks** are well-suited for commercial VoIP deployment. Field-proven voice and fax technology and feature-rich design makes the MediaPacks an excellent solution for various emerging VoIP applications. The MediaPacks 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 MediaPacks are vastly deployed in the MTU (Multi Tenant Units) broad band access networks, IP Centrex and rural areas.

DELIVER FEATURE-RICH SOLUTIONS

The **MediaPacks** 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 MediaPacks are based on **VolPerfect™** architecture, AudioCodes underlying, best-of-breed, core media gateway technology for all of its products.

PROVIDE INTEROPERABILITY

The **MediaPacks** are 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.

- Fax, voice & modem support
- Toll quality voice compression
- Support of multiple standard control protocols
- Enhanced capabilities including MWI, long haul, metering, CID & out door protection
- Proven integration with leading PBXs, IP-PBXs, Softswitches, H.323 Gatekeepers & SIP servers

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MediaPack™ Series

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 VoP ports in over 100 countries to date.

MEDIAPACK SERIES (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 management operations (FCAPS)

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

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
Network Interfaces	Single, 10/100 BASE-TX, 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 tagging*
IP Transport	RTP/RTCP per IETF RFC 3550 and 3551, PPPoE*

Signaling

Signaling	FXS Loop-start
In-band Signaling	<ul style="list-style-type: none"> ■ DTMF (TIA 464B) ■ User defined and call progress tones
Control	MGCP (RFC 2705), H.323 (V4), SIP (RFC 3261)
Provisioning	<ul style="list-style-type: none"> ■ BootP, DHCP FTP & TFTP & 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	100-240 VAC/47-63 Hz
Environmental	Operational: 5 to 40° C 41 to 104° F Storage: -25 to 70° C -77 to 158° F Humidity: 10 to 90% non-condensing
Dimensions (H x W x D)	42 x 172 x 220 mm
Mounting	Rack mount, Table top, Wall mount

Additional Features

Short and Long Haul	Up to 10 km, REN 2, 24 AWG or up to 3,5 km, REN 5, 24 AWG
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT & 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
Outdoor 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