

IPM-260 8 E1/T1 PCI VoIP Media Processing Board



- IP-enabled, cost-effective technology
- Field-proven PSTN interface board
- Low to high channel density
- Independent call-by-call basis LBR ports
- All-in-one integrated board
- Shorter development cycle

The **IPM-260** is a complete VoIP media processing solution providing IP and PSTN interfaces to build next generation applications for both today's and tomorrow's networks. By combining these capabilities on a single board, the IPM-260 can eliminate a number of separate special-function boards, resulting in reduced inventory, increased over-all system density, reduced costs and improved time-to-market.

DELIVER FEATURE-RICH SOLUTIONS

A broad selection of firmware-based media processing capabilities is available with the IPM-260 including: message record/playback, conferencing, voice coding, echo cancellation, fax processing and call progress tones detection. Each channel resource on the IPM-260 is universal and can perform media processing functions while utilizing full flexibility in endpoints.

PROTECT CUSTOMER INVESTMENT

The IPM-260 is based on the VoIPerfect™ architecture, AudioCodes' underlying, best-of-breed, core media gateway technology for all of its products. The IPM-260 supports AudioCodes' API, which enables software download, provisioning and control. It was designed to maintain essential API backward compatibility in order to protect customers' investment in the development of products based on former generations.

ENABLE FAST & EASY INTEGRATION

Enabling accelerated design cycles with high density and reduced costs, the IPM-260 is an ideal building block for scalable, reliable VoIP enabled media processing solutions. With the IPM-260's comprehensive feature set, customers can quickly design a wide range of solutions combining PSTN and VoIP networks.

IPM-260 FEATURES

- 240 universal ports supporting voice, fax and data
- Various voice compression includes G.711, G.723.1, G.729A/B
- Voice Record/Playback
- Real-time, multi-party conferencing
- Interchangeable RTP or PSTN or TDM endpoints
- Comprehensive IVR control
- VoIP packet streaming (RTP/RTCP) per RFC 3550/3551
- MVI, SCbus and H.100 CT bus interface support
- Automatic Speech Recognition (ASR)* and Text To Speech (TTS)*

AudioCodes Enabling Technology Products

IPM-260

SPECIFICATIONS

Software Specifications

Configuration	30, 60, 120, 240 universal ports
Voice Messaging, Recording	Host-based record/play, WAV format (G.711, G.726, MS-GSM) Fast slow Playback with pitch correction Timeslot summation – Record RX+TX of the call On-board announcement storage – 10 Mb: 20 minutes of G.711, 200 minutes of G.723 Recording/playback using standard HTTP or NFS streaming RTP forking replications for lawful intercept (CALEA)
N-way Conferencing	Supports up to 240 ports of mixed IP, PSTN and TDM participants Maximum simultaneous 3-way conferences per board: 80 Maximum full-duplex parties per conference bridge: 64 endpoints Supports various conference control modes
Fax Relay	Real-time fax over IP/T.38 compliant, automatic fallback to G.711 and VBD for up to super G-3 fax machines
ASR - 3rd party Recognition Engines	Host-based Architecture – Media Stream over PCI Distributed Architecture – Media Stream over VoIP RTP
Voice Processing	G.711, G.723.1, G.729 A/B, G.726/G.727, NetCoder®, MS-GSM, GSM-FR • Additional coders supported – contact AudioCodes for further information Voice Activity Detection (VAD) and CNG Echo Cancellation: G.168 compliant 32, 64 msec echo tail; 128 msec tail available with reduced channel capacity Transcoding of any LRB to another LRB or G.711 to any LBR Gain Control: Automatic (AGC) or Programmable
In-band/Out-band Signaling	Packet side or PSTN side, DTMF and tone detection and generation, CAS Relay, RFC 2833
Control	AudioCodes' proprietary API Library over IP (TPNCP) or PCI
Management Interfaces	• SNMP V2c: Standard MIB-2, RTP MIB, DS1 MIB, AudioCodes' proprietary MIB • Embedded Web server
Operating System	• Windows™ 2000, XP, 2003 • Linux™ • Solaris™ on Sparc™/Intel™

Signaling

PSTN	CAS T1 robbed bit, MFC/R2 numerous country variants
	CCS ISDN PRI: numerous country variants including ETSI EURO ISDN, ANSI N12, DMS, 5ESS, Japan INS1500
	SS7 MTP2 and MTP3 link termination
SIGTRAN	M2UA and M3UA and IUA over SCTP per RFC 3057/2960

Hardware Specifications

Ethernet	10/100 BASE-T
Physical Interfaces	Form factor – Full length universal PCI TDM Interfaces – MVIP, SCbus or H.100 Telephony – 120 Ohm - RJ48C connectors Ethernet – RJ-45 Universal PCI 5 V/3.3 V signaling PCI bus – 32/64 bit, 33/66 MHz
Power	3.6A at 5 V with quad E1/T1 interface (Contact AudioCodes for details)

APPLICATIONS

- Contact Centers
- Conference Servers
- IVR Servers
- Unified Communications/Messaging
- Voice Portals
- CTI Applications
- Voice Recording

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUCD) 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 converged, 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. AudioCodes' headquarters and R&D facilities are located in Israel with an R&D extension in the U.S. Other AudioCodes' offices are located in Europe, the Far East, and Latin America.

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