

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



- IP-enabled, cost-effective technology
- Field-proven PSTN interface blade
- Low to high channel density
- Independent call-by-call basis LBR ports
- All-in-one integrated blade
- 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 blade, the IPM-260 can eliminate a number of separate special function blades, 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 VolPerfect™ architecture, AudioCodes' underlying, best-of-breed, core media gateway technology for all of its products. In addition to embedded SIP and MSCML Control, 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. 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

- 248 universal ports supporting voice, fax and data
- Various voice compression includes G.711, G.723.1, G.729A/B, AMR, EVRC
- 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
- Voice Detector and Answering Mailing Detector

AudioCodes Enabling Technology Products

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SPECIFICATIONS

Software Specifications

Configuration	30, 60, 120, 248 universal ports
Voice Messaging, Recording	Host-based record/play. WAV format (G.711, G.726, MS-GSM) Fast or 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 replication for lawful intercept (CALEA)
N-way Conferencing	Supports up to 248 ports of mixed IP, PSTN and TDM participants Maximum simultaneous 3-way conferences per blade: 80 Maximum full-duplex parties per conference bridge: 64 endpoints Supports various conference control modes
Fax Relay and Termination	Real-time fax over IP/T.38 compliant, automatic fallback to G.711 and VBD for up to super G-3 fax machines Support for Fax Termination (Available with AudioCodes S/W based stack)
Voice Compression	G.711, G.723.1, G.729A/B, G.726, G.727, Netcodem, MS-GSM, GSM-FR, iLBC, AMR, EVRC, EG.711 Additional coders supported
Voice Processing	Voice Activity Detection (VAD), Comfort Noise Generation (CNG) Transcoding of LBR/HBR to any LBR/HBR stream
Echo Cancellation	G.168 2004 compliant 64, 128 msec echo tail
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 Protocols	AudioCodes' proprietary API Library over IP (TPNCP) or PCI SIP, Net Ann and MSCML
Management Interfaces	• SNMP V2c: Standard MIB-2, dS1 MIB, Audiocodes' proprietary MIB • Embedded Web Server
Operating System ¹	• Windows™ 2000, Windows™ XP Professional, Windows™ 2003 Server • Linux Red Hat™ 9, The Fedora Project™ Core 5, Red Hat Enterprise Linux ES, Debian 3.1, SUSE 10.1 • Solaris™ Version 9,10 on Interl™, Sparc™ 32-bit / 64-bit

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, SS7 monitoring ISUP and SCCP/TCAP termination (Available with AudioCodes S/W)
Sigtran	M2LJA- M3LJA- IIJA and DLJA over SCTP per RFC 2811

Hardware Specifications

Ethernet	10/100 BASE-T
Physical Interfaces	Form factor - Full length universal PC1 TDM Interfaces - MVIP, SCbus or H.100 Telephony -120 Ohm - RJ48C connectors Ethernet- RJ45 Universal PC1 5 V/3.3 V signaling PC1 bus -32/64 bit, 33/66 MHz
Power	3.7A at 5V with Octal E1/T1 interface

APPLICATIONS

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

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUCD) provides innovative, reliable and cost-effective Voice over IP (VoIP) technology, Voice Network Products, and Value Added Applications to Service Providers, Enterprises, OEMs, Network Equipment Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway, and media processing enabling technologies based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media architecture. The company is a market leader in VoIP equipment, focused on VoIP Media Gateway, Media Server, Session Border Controllers (SBC), Security Gateways and Value Added Application network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past ten years and is a key player in the emerging best-of-breed, IMS based, VoIP market. The Company is a VoIP technology leader focused on quality and interoperability, with a proven track record in product and network interoperability with industry leaders in the Service Provider and Enterprise space. AudioCodes Voice Network Products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, cable, enhanced voice services, video, and Enterprise IP Telephony markets. AudioCodes' headquarters are located in Israel with R&D in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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