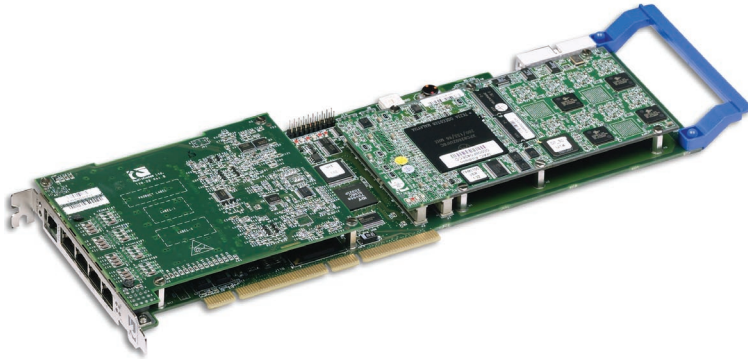


# AudioCodes Enabling Technology Products

## IPM-260/SIP 8 E1/T1 VoIP PCI Media Server Blade



- Complete stand-alone SIP based media server on a PCI blade
- Delivers 30 to 248 media resource channels
- Supports SIP, NetAnn, and MSCML RFCs
- Optional 8 T1/E1 PSTN interfaces for hybrid VoIP / PSTN applications
- Enables enhanced applications such as Interactive Voice Response (IVR), Conferencing, Network Announcements and Messaging
- Extensive list of interoperability certifications with industry leaders

The **IPmedia™ (IPM)-260/SIP** blade is a complete SIP-compliant media server, delivering a cost-effective solution in a convenient PCI form-factor. This unique stand-alone PCI media server operates as an independent network element and only relies on the host PC for power, eliminating device drivers and operation system dependencies.

Incorporating AudioCodes' leading Voice over Packet technology and based on field-proven media products, the IPM-260/SIP enables Network Equipment Providers (NEPs) and enterprise application developers a rapid time-to-market and reliable cost-effective deployments of enhanced voice services in VoIP telephony networks. Designed for carrier-grade applications, the IPM-260/SIP is compliant with a range of Telecom and safety regulations.

### ENHANCED APPLICATIONS AND ENHANCED VOICE SERVICES

The IPM-260/SIP delivers a range of media processing technologies, such as voice record/playback, announcements, conferencing, voice mixing, DTMF (detection/generation) and Transcoding features, which enable the delivery of advanced services based on the latest SIP, NetAnn and MSCML IETF RFCs.

### BEST-OF-BREED RIGHT-SIZED SYSTEMS

The IPM-260/SIP PCI VoIP Media Server matches the density requirements for small to medium applications, while meeting developer's demands for scalability. This blade scales from 30 to 248 ports in a single PCI slot and provides an ideal solution for enterprise applications as well as carrier locations. Optional 1 to 8 E1/T1 PSTN interfaces enable applications that require TDM interfaces and eliminate costly separate media gateway components.

### ADVANCED SECURITY SUITE

With the advent of VoIP, security is becoming a crucial challenge. The IPM-260/SIP Media Server addresses this concern by offering advanced security capabilities that include SRTP for safe media transmission and TLS for SIP (SIPS).

### SELECTED IPM-260/SIP FEATURES

- Up to 248 DSP media resources on a single blade
- Optional 8 T1/E1 PSTN interfaces
- Scalable solution – Pay As You Grow
- Range of conferencing modes: Active, Listener only, Moderator, etc.
- IVR playback and record via HTTP/NFS for advanced streaming applications
- Packet to packet mediation – with or without coder Transcoding
- Comprehensive security suite: IPsec, SRTP, SSL/TLS
- Reliable voice, answering machine and call progress detection



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## IPM-260/SIP

### SPECIFICATIONS

#### Software Specifications

Capacity	248 DSP resources Optional 8 E1/T1 PSTN interfaces
Voice Compression <sup>1</sup>	G.711, G.723, G.722, G.726, GSM, G.729AB, EVRC, AMR, iLBC
IVR Support	<ul style="list-style-type: none"><li>• On-board announcement storage of 10 Mb</li><li>• Supporting HTTP &amp; NFS for remote playback and recording</li><li>• Voice, DTMF and answer machine detector</li></ul>
Conferencing	<ul style="list-style-type: none"><li>• Up to 248 conferees per blade</li><li>• Up to 64 conferees per bridge</li><li>• Various conferencing modes</li></ul>
Transcoding - Packet to packet mediation	Transcoding from Low Bit Rate coder to High Bit Rate coder or other Low Bit Rate coders
Voice Processing	<ul style="list-style-type: none"><li>• Echo Cancellation: G.168-2004 compliant with tail of 32, 64 and 128 ms</li><li>• Voice Activity Detection (VAD), AGC, CNG</li></ul>
Fax Relay	<ul style="list-style-type: none"><li>• Real-time fax over IP/T.38 compliant</li><li>• Support for fax termination<sup>2</sup></li></ul>
Control Protocols	<ul style="list-style-type: none"><li>• SIP (Session Initiation Protocol) - RFC3261</li><li>• NetAnn (network announcement) - RFC4240</li><li>• MSCML (Media Server Control Markup Language) RFC4722</li><li>• VXML</li></ul>
Security	<ul style="list-style-type: none"><li>• TLS for SIP</li><li>• SRTP for data plane security</li><li>• IPsec for SNMP</li><li>• HTTPS for Web</li><li>• Integrated firewall (access list setting)</li><li>• VLAN and IP separation support for OAM, control, and media traffic</li></ul>
Management Interface	<ul style="list-style-type: none"><li>• SNMP V2 &amp; SNMP V3: Standard MIB-2, RTP MIB, DS1 MIB, AudioCodes' Proprietary MIB</li><li>• On-board Embedded Web Server</li></ul>
PSTN Protocols	<ul style="list-style-type: none"><li>• <b>CAS</b>: T1 robbed bit, MF-R1, MFC-R2 (numerous country variants), DTMF tone detection &amp; generation</li><li>• <b>CCS</b>: ISDN-PRI: numerous country variants including ETSI EURO ISDN, ANSI N12, DMS, 5ESS, Japan INS1500</li><li>• <b>SS7</b>: MTP2, MTP3 link termination to M2UA and M3UA over SCTP</li></ul>

#### Hardware Specifications

Ethernet	10/100 BASE-T
Physical Interfaces	<ul style="list-style-type: none"><li>• Form factor - Full length universal PCI blade</li><li>• Telephony - 120 Ohm - RJ48C connectors</li><li>• Ethernet - RJ-45</li><li>• Universal PCI 5 V/3.3 V signaling</li><li>• PCI bus - 32/64 bit, 33/66 MHz</li></ul>
Power	3.77A at 5V with quad E1/T1 interface

<sup>1</sup> May reduce the channel capacity  
<sup>2</sup> Please Contact AudioCodes

### APPLICATIONS

- Contact Centers
- IP-PBX
- Media Server
- IVR - Interactive Voice Response Servers
- Transcoding
- Conferencing Servers
- Streaming using NFS/HTTP standard
- CALEA (Packet tandem)
- VRU - Voice Response Unit Servers

### ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) 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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