

## IPM-6310 Universal Conference Blade



- Supports 2016 VoIP conference channels on a single cPCI blade
- Provides multi-vocoder conferencing with mixed IP/PSTN/H.110 endpoints
- Offers diverse conferencing control modes and conferee types
- Embodies rich and comprehensive API (VoPLIB)
- Utilizes field-proven and cost-effective technology
- Reduces development cycle and time-to-market

The **IPM-6310 (IPmedia™) Universal Conference blade** is a high-density, high-performance VoIP media processing cPCI blade designed for building scalable, highly-featured conference servers. The blade leverages AudioCodes field-proven VoIP and media processing technology onto a high capacity blade. This combination enables short time-to-market for application developers, while allowing cost-effective solutions.

### DELIVER FEATURE-RICH SOLUTIONS

The IPM-6310 Conference provides 2016 conference channels on a single cPCI blade. Each conference channel comprises from 3 to 64 multi-vocoder participants from a mix of endpoints (IP, PSTN and H.110). The blade supports a variety of conference control modes and participant types, (e.g. moderator and listen only)

### ENABLE FAST & EASY INTEGRATION

Enabling accelerated design cycles with high-density and reduced costs, the IPM-6310 Conference is an excellent building block which allows customers to quickly design a wide range of conferencing solutions combining VoIP and PSTN networks. The blade enables scalability, better redundancy and higher system availability.

### COMPLY WITH INDUSTRY STANDARDS

The IPM-6310 Conference complies with industry standard network control protocols including SIP, MEGACO (H.248), MGCP, and AudioCodes' proprietary API – VoPLIB. This allows the implementation of a distributed media server architecture that separates call processing functions from media processing functions.

### PROTECT CUSTOMER INVESTMENT

The IPM-6310 Conference is based on VolPerfect™ architecture, AudioCodes' field-proven, best-of-breed, core media gateway technology for all of its products. The blade supports AudioCodes' API (VoPLIB) 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 prior generations.

### IPM-6310 FEATURES

#### Conference:

- Up to 2016 conferencing channels
- Real-time, multi-vocoder conferencing with mixed IP/PSTN/H.110 endpoints
- Conferee types: Regular (full-duplex), listener only, Master (monitor), Whisper (coach)
- Configurable mute matrix for defining user groups
- 3-64 full-duplex participants per conference

#### PSTN and Control:

- Optional STM-1/OC-3 or 3 x T3 PSTN interfaces
- SIP, MEGACO, MGCP, and AudioCodes' proprietary API (VoPLIB)

# AudioCodes Enabling Technology Products

## IPM-6310 Conference

### SPECIFICATIONS

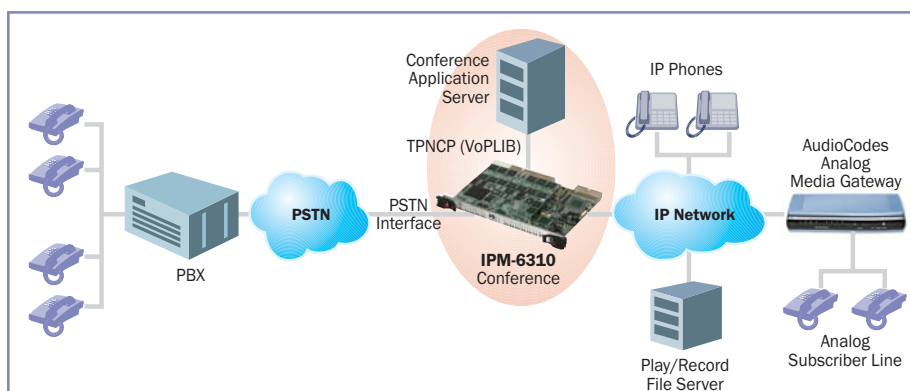
Software Specifications	
Conferencing	Supports up to 2016 ports of Mixed IP, PSTN and TDM (H.110) participants Maximum full-duplex parties per conference bridge: 64 endpoints Conferee types: Regular (full-duplex), listener only, Master (monitor), Whisper (coach) Configurable mute matrix for defining user groups Up to 3 simultaneous active participants or linear summation mode (all active)
ASR <sup>1</sup>	Distributed Architecture – Media Stream over VoIP RTP
Voice Compression	Supports up to 2016 ports of: G.711, G.723.1, G.729A/B, G.726, G.727, GSM-FR, GSM-EFR, EVRC, NB-AMR, iLBC Wide Band coders including G.722 and AMR Additional coders supported <sup>2</sup>
Voice Processing	Voice Activity Detection (VAD) and CNG
Echo Cancellation	G.168 with tail of 32 msec, 64 msec and 128 msec
Gain Control	Automatic (AGC) or Programmable
In-band/Out-band Signaling	Packet or PSTN side, DTMF/tone detection and generation, RFC 2833
Control Protocol	AudioCodes' proprietary API – VoPLIB, SIP, MEGACO (H.248), MGCP (RFC 3435, RFC 3660)
Management Interfaces	<ul style="list-style-type: none"> <li>SNMP V2c: Standard MIB-2: system, interfaces, if-MIB, entity-MIB, RTP-MIB, DS1-MIB, snmpV2-MIB and AudioCodes' proprietary MIB</li> <li>On-board embedded secure Web Server</li> </ul>
Operating System	<ul style="list-style-type: none"> <li>Windows™ 2000, XP, 2003</li> <li>Linux™<sup>3</sup> RH8, RH9, Debian, Enterprise</li> <li>Solaris™<sup>3</sup> 8,9 on Intel™/Sparc™ 32/64</li> </ul>

Signaling	
PSTN	<b>CCS</b> ISDN PRI: numerous country variants <b>SS7</b> MTP2 and MTP3 link termination ISUP and SCCP/TCAP termination (Available with AudioCodes S/W based stack)
SIGTRAN	M2UA, M3UA, IUA and DUA over SCTP per RFC 2960

Hardware Specifications	
Form Factor	6U PICMG 2.16 compliant, single cPCI slot, full Hot swap
Interfaces	TDM: H.110, PSTN: APS protected OC-3/STM-1 or 3 x T3, dual GBeth
Power	40-85 W <sup>2</sup>

<sup>1</sup> Integrated Partner Technology  
<sup>2</sup> Consult AudioCodes for specific configuration  
<sup>3</sup> See release note for specific OS releases supported

### VoIP Enabled Conference Bridge Architecture



### ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUCD), Your Gateway to VoIP, provides innovative, reliable and cost-effective Voice over Packet (VOP) technology and Voice Network products to OEMs, Network Equipment Providers, Service Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway and media processing technologies (based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media gateway architecture) and Session Border Controllers (SBCs). The company is a market leader in product development, focused on VoIP Media Gateway, Media Server and SBC technologies and network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past few years and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. The Company is a VoIP technology leader focused on quality, having recently received a number one ranking from ETSI for outstanding voice quality in its media gateways and media servers. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, enhanced voice services and video markets. AudioCodes enabling technology products include VoIP and CTI communication blades, 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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