

IPmedia™ 3000 Media Server Platform



- Ideal Carrier Class, IMS compliant Media Server
- Acts as MRFP (based on H.248) or MRF (SIP) network element
- Enables enhanced voice & video multimedia services on next generation converged packet based networks such as: 3G & 4G Mobile networks, PacketCable and Triple/Quadruple play, IPTV and Fixed VoIP networks
- Delivers a cost-effective right-sized solution for high capacity deployments that demand full-featured server functionality
- Optional built-in TDM interfaces that interface with legacy networks

DELIVER ENHANCED VOICE AND VIDEO SERVICES

The **IPmedia™ 3000** provides the media processing power required to enable revenue-generating enhanced services. Media processing technologies, such as record & playback, announcements, media mixing and transcoding ensure delivery of advanced services beyond the scope of basic dial tone service. These include Audio and Video Conferencing, IVR, Messaging, Ring Back Tones, Video clips and Video Streaming.

MARKET PROVEN

The IPmedia 3000 is a market-proven media server which enables Network Equipment Providers (NEPs), Application Developers and System Integrators (SIs) to offer Service Providers a compact multi-media server solution targeted towards the carrier environment. Building on AudioCodes' experience in the VoP market and with millions of ports deployed, the IPmedia 3000 supports a rich variety of VoIP coders and standard-compliant signaling and call control. The IPmedia 3000 is based on VoIPerfect* architecture, AudioCodes' core technology.

DEPLOY BEST-OF-BREED RIGHT-SIZED SOLUTIONS

The IPmedia 3000 matches the density requirements for mid-sized locations in the network while meeting the requirements for a market-ready full-featured media-processing server. The IPmedia 3000 is specifically fine-tuned to meet demand, with a density of up to 2016 voice ports and 200 video ports which provide high capacity for the entire spectrum of interactive voice and video services. The small footprint of the IPmedia 3000 Media Server is especially attractive for central office locations where space is at a premium.

ADVANCED SECURITY SUITE

With the advent of VoIP, security is becoming more and more important. The IPmedia 3000 addresses service providers' security concerns, offering advanced security capabilities which include SRTP, TLS, IPSec and SSL.

LEVERAGE LEGACY INVESTMENTS

The IPmedia 3000 consists of PSTN and VoIP interfaces, allowing NEPs and Application Partners to deliver enhanced voice services on legacy PSTN networks as well as on new packet-based networks. This enables easy migration to new deployments of packet infrastructure.



IPmedia™ 3000

SPECIFICATIONS

Capacity	
	Up to 2,016 Audio channels and 200 Video channels
Media Processing Modules	
DTMF and Detectors	Call progress tones Voice Activity Detection (VAD) DTMF detection and generation in-band/out-band (RFC 2833)
Announcements	Language Support Variables Support (i.e. Dates, Currency, etc.)
Playback and Record	Audio and Video Play/Record ¹ Audio Files: .WAV, .AU, .RAW Video Files: .MP4, .3GP
Transcoding	Audio and Video Transcoding (any Coder to any Coder) Video Transrating (Adjusting bit and frame rates) Video Resizing (Adjusting Resolutions)
Audio Conferencing	Up to 256 active speakers and up to 2000 listeners per conference mix Modes: Moderator, Passive, Mute, Drop, Coaching Volume and AGC Control per participant
Video Conferencing	Switch Mode (VAD/Timer), Mixed Mode (Up to 3x3) and Hybrid Text and Graphic Overlay ¹
Speech	ASR ² , TTS ² MRCP
General	CALEA support Trunk testing per GR-822, tests: TL 100, 102 and 105
Media Formats	
IP	RTP, RTCP
Voice	Comfort Noise Generation, Echo Cancellation up to 128ms, AGC
Fax	T.38
Audio Coders	G.711 PCM 64 Kbps (μ-law/A-law) G.726/G.727 ADPCM/E-ADPCM (16 to 40 Kbps) G.729AB CS-ACELP, 8.0 Kbps G.723.1 MP-MLQ, 6.3 Kbps ACELP, 5.3 Kbps Multiple UMTS, GSM, CDMA vocoders
Video Coders	MPEG4, H.263, H.264 CIF, QCIF Up to 384 Kbps Up to 30 fps
Control and Management	
Control Protocols	H.248, SIP, MSCML, NETANN and VoiceXML
Management	SNMP v3, Embedded Web Server, Centralized Element Management System
Redundancy Scheme	Power supply, fans: N+1 load shared Media Gateway blades (including PSTN interfaces): 1+1 Optical Interfaces (PSTN): 1+1, APS protected
Interfaces	
Ethernet	Dual redundant 100/1000 Base-T Ethernet ports via 2 x RJ-45 connectors
PSTN	OC-3 or STM-1 APS optical links, 1-3 T3 (DS3) Electrical links
Hardware	
Physical	2U high, 19-inch wide rack mount
Enclosure	cPCI chassis PICMG 2.0 R2.1 cPCI
Mechanical	PICMG 2.0 R2.1 cPCI
Hot Swap	Full cPCI hot swap supported for media processing board
Power Supply	Subsystem features a "1+1" architecture with load sharing on the secondary voltages. Each power supply has a separate feeding path. -48 V DC Dual Feed with up to 2 DC Power modules
Regulatory Environment	
Telecommunication Standards	FCC part 68, TBR4 and TBR13
Safety and EMC Standards	UL60950, FCC part 15 class A CE mark (EN55022 Class B, EN60950, EN55024, EN300 386)
Environmental	NEBS Level 3: GR-63-Core (DC-powered model), GR-1089-Core, Type 1&3, ETS300 019

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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¹ Roadmap
² Via integration with Partner technologies

