

# 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 services on next generation converged packet based networks such as: 3G & 4G Mobilenetworks, PacketCable and Triple/Quadruple play and Fixed VoIP networks**
- **Provides High Definition wideband VoIP coder functionality, facilitating a new dimension of voice call quality and clarity**
- **Delivers a cost-effective right-sized solution for high capacity deployments that demand full-featured server functionality**

## **DELIVER ENHANCED VOICE 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 Conferencing, IVR, Messaging, Ring Back Tones and Audio 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 media server solution targeted towards the carrier environment. Building on AudioCodes' experience in the VoIP 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 VolPerfect™ 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 which provide high capacity for the entire spectrum of interactive voice 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.

# AudioCodes Network Products for Enhanced Voice Services

## IPmedia™ 3000

### SPECIFICATIONS

#### Capacity

Up to 2,016 Audio 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 Play/Record Audio Files: .WAV, .AU, .RAW
Transcoding	Audio Transcoding (any Coder to any Coder)
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
Speech	ASR <sup>1</sup> , TTS <sup>1</sup> 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
Voice Coders	Voice Coders High Definition Voice Codecs <sup>2</sup> : G.722, G.722.2 (Wideband AMR), G.729.1 (Wideband G.729) Wireline: G.711, G.722 <sup>2</sup> , G.723.1, G.726/7, G.729A/B, EG.711, MS GSM, iLBC <sup>2</sup> GSM/UMTS: GSM-FR, GSM EFR, AMR, AMR-WB <sup>2</sup> CDMA: EVRC <sup>2</sup> , EVRC-B <sup>2</sup> Independent dynamic vocoder selection per channel (within each group) Not all coders can be used simultaneously

#### 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: 1+1

#### Interfaces

Ethernet	Dual redundant 100/1000 Base-T Ethernet ports via 2 x RJ-45 connectors
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#### 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. (NasdaqGS: 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, , and Enterprise IP Telephony markets. AudioCodes' headquarters and R&D are located in Israel with an additional R&D facility in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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1 Via integration with Partner technologies

2 Reduced Channel Capacity