

AudioCoded™ Systems for Wireline Networks

Mediant™ 2000 VoP Media Gateway



- Meet the needs for VoP Trunking, IP Centrex, and VoP Access Gateway markets with a right-sized and cost-effective media gateway
- Deploy globally with a rich offering of PSTN interfaces and signaling
- React quickly to dynamic market requirements
- Offer differentiated gateways from a single platform
- Deliver competitive, complete, best-of-breed media gateway functionality

The **Mediant™ 2000** VoP Gateway is the cost-effective, entry-level member in the AudioCodes family of market-ready, standards-compliant, media gateway systems. Intelligently packaged in a stackable 1U chassis especially designed for smaller locations in the carrier network market, the Mediant 2000 is the right-sized solution for small-scale needs. Incorporating AudioCodes' leading Voice over Packet technology, the Mediant 2000 enables Network Equipment Providers (NEP) and System Integrators rapid time-to-market and reliable cost-effective deployment of next-generation networks.

DEPLOY BEST-OF-BREED RIGHT-SIZED SYSTEMS

The Mediant 2000 VoP Gateway matches the density requirements for smaller locations while meeting Network Service Providers' demands for scalability. The compact Mediant 2000 VoP Gateway, scales from 1 to 16 E1/T1/J1 spans in a 1U chassis and provides a best-of-breed mediation solution for enterprise as well as carrier locations.

DELIVER NEW SOLUTIONS FASTER

Immediately address new opportunities in emerging markets with the most flexible, small-scale customizable solution available. The Mediant 2000 VoP Gateway system's standards-based control interfaces and protocols, and open architecture ensure easy integration with new products and services.

CREATE FLEXIBLE PRODUCTS AND SERVICES

The Mediant 2000 VoP Gateway system enables NEPs to immediately address opportunities that utilize a myriad of legacy circuit-switched infrastructure features and functionalities. The Mediant 2000 extends the flexibility of the Mediant 8000 with additional deployment options, such as AC power for enterprise locations or DC power for central office locations. The Mediant 2000's open platform offers NEPs the option to add one Single Board Computer (SBC) to run complementary applications within the Mediant chassis.

BENEFIT FROM EXTENSIVE GATEWAY EXPERIENCE

AudioCodes is one of the world's leading providers of packet-enabled new voice infrastructure network technologies. AudioCodes' commitment to innovation yields consistently high-quality voice processing products that are flexible, intelligent and comprehensive.

The Mediant 2000 is part of AudioCodes' complete family of VoP gateway system solutions for new voice infrastructure carrier networks.

MEDIANT 2000 FEATURES

- Designed for NEBS Level 3
- Multiple density options
- Field-proven, high voice quality
- Open, scalable architecture
- SS7/SIGTRAN Interworking
- Flexible deployment options
- Packet telephony standards-compliant
- IETF and ETSI standards-compliant
- Small footprint
- Expansion slot for Application Processor
- Wide support of PSTN protocol termination



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Mediant™ 2000

SPECIFICATIONS

Capabilities	
Capacity	Options for 1,2,4,8, and 16 spans of independent, simultaneous VoP calls
Voice Coders	G.711, G.723.1, G.726, G.728, G.729A, NetCoder® Independent dynamic vocoder selection per channel
Echo Cancellation	G.165 and G.168 2000, with 32, 64 ¹ or 128 ¹ msec tail length
Fax Support	T.38 compliant group 3 fax relay
DTMF	Packet side or PSTN side detection and generation, RFC 2833 compliant
Voice over Packet	Call progress tones, VAD, CNG, Dynamic programmable jitter buffer, Modem
Capabilities	detection and auto switch to PCM or ADPCM
Application Processor	Single Board Computer using optional Sun SBC
Signaling & Transport	
PSTN	PSTN PROTOCOL TERMINATION CAS MF-R1: Wink Start, delay dial, immediate start, FGB, FGD MFC/R2 numerous country variants Unique script for each country variant, enabling maximum flexibility of the entire state machine of each CAS protocol ISDN ISDN PRI: ETSI EURO ISDN, ANSI NI2, DMS Switch, 5ESS Switch, Japan INS1500, QSIG Basic Call, Australian Telecom, New Zealand Telecom, Hong Kong Variant, Korean MIC and others SIGTRAN IUA/SCTP per RFC 3057/2960 Up to 16 SS7 MTP2 links termination, M2UA/SCTP
IP Transport	IETF RFC 1889, RFC 1890 RTP/RTCP Transport, TCP, UDP
Media Gateway Control & Management	
Control Protocols	MGCP (RFC 2705, MEGACO (H.248 RFC 3015), H.323 and SIP standard protocols AudioCodes' extensive TPNCAP API over IP
TPNCAP API Supported OS	Solaris/INTEL, Solaris/SPARC, Linux, Windows NT 4.0, Win-NT library
Operations Management	SNMP v2, Embedded Web Server Element Management System ²
Interfaces	
Ethernet	Dual Redundant 10/100 Base-T Ethernet ports via 2 RJ-45 connectors on RTM
Telephony Interface	Up to 16 E1/T1/J1 spans using RJ-48c connectors or using dual 50-pin Telco connectors on RTM
Hardware Specifications	
Power Supply	Single universal 90-260 V AC OR Dual-redundant AC OR -48 V DC
Physical	1U high, 19-inch wide rack mount
Regulatory Compliance	
Telecommunication Standards ³	FCC part 68 TBR4 and TBR13
Safety and EMC Standards ³	UL60950 FCC part 15 Class B, CE Mark (EN55022 Class B, EN60950, EN55024, EN300 386)
Environmental ³	NEBS Level 3: GR - G3-Core, GR -1089-Core Type 1 & 3, ETS300 019

APPLICATIONS

- VoP Trunking Gateway
- IP Centrex Gateway
- VoP Access Gateway

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) designs, develops and markets Voice over Packet media gateway technologies and systems for converged networks. The company is a market leader in voice compression technology and the key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes' product line includes media gateway system solutions for packet networks in the wireline, wireless, broadband access and media server markets; as well as enabling technology products such as VoIP communication boards, VoIP media gateway modules and CPE devices.

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¹ With reduced channel capacity; contact AudioCodes for availability

² Contact AudioCodes for availability

³ Designed to meet – formal approval pending

