

Mediant™ 2000 Broadband Access Gateway



- Meet the needs of VoIP cable telephony markets with a right-sized and cost-effective cable access gateway
- Deploy globally with a rich offering of PSTN interfaces and signaling protocols
- React quickly to dynamic market requirements
- Offer differentiated gateways using best-of-breed technology from a single platform
- Address opportunities that require the functionality of larger gateways with a simpler, cost-optimized solution

The **Mediant™ 2000** Broadband Access (Cable) Gateway is the cost-effective, entry-level solution in the AudioCodes family of market-ready, standards-compliant, media gateway systems. Intelligently packaged in a compact chassis for the cable 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 rapid time-to-market and reliable cost-effective deployment of VoIP cable telephony networks. The Mediant 2000 Broadband Access Gateway is based on VoIPerfect™ architecture, AudioCodes' underlying, best-of-breed, core media gateway technology for all of its products.

DEPLOY BEST-OF-BREED RIGHT-SIZED SYSTEMS

The Mediant 2000 Broadband Access Gateway matches the density requirements for smaller locations while meeting Multiple System Operators' (MSOs) demands for a market-ready, full-featured V5.2 IP Access Terminal (IPAT). The compact Mediant 2000 Broadband Access Gateway supports up to 16 spans in a 1U chassis to deliver a best-of-breed mediation solution for the enterprise cable telephony market and smaller residential locations.

DELIVER MANAGEABLE SOLUTIONS FASTER

Immediately address new opportunities in emerging cable telephony markets with the most flexible, small-scale customizable solution available. AudioCodes' Element Management System (EMS) helps maintain both Mediant V5.2 IPAT and media gateway applications.

CREATE FLEXIBLE PRODUCTS AND SERVICES

The Mediant 2000 Broadband Access Gateway system enables MSOs to utilize a myriad of legacy circuit-switched infrastructure features, in addition to comprehensive support for VoIP. Support for a standard V5.2 interface enables subscriber and in-band features, operator services, Intelligent Network services, Lawful Intercept, and other Class 5 switch administration functions that can be utilized immediately.

BENEFIT FROM EXTENSIVE GATEWAY EXPERIENCE

AudioCodes is one of the world's leading providers of 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 voice network products for core media gateway platforms.

MEDIANT 2000 FEATURES

- NEBS Level 3 certified*
- Embedded PacketCable™ - based call agent
- Proven support of PSTN/NCS protocol interworking, using a V5.2 Interface
- Field-proven, high voice quality
- Open, scalable architecture
- Flexible deployment options
- Packet & cable telephony standards-compliant
- IETF & ETSI standards-compliant
- Small footprint

* Applies to certain configurations

AudioCodes Voice Network Products for Broadband Access Applications

Mediant™ 2000

SPECIFICATIONS

Capabilities	
Capacity	Options for 4, 8, and 16 spans of independent, simultaneous VoIP calls Up to 8 V5.2 Interface Groups
Voice Coders ¹	G.711, G.723.1, G.726, G.728 ² , G.729AB, G.729E ² , NetCoder® Independent dynamic vocoder selection per channel
Echo Cancellation	G.165 and G.168-2000 compliant
Analog Fax & Modem Support	T.38 compliant group G3 fax relay Automatic switchover to G.711 on analog modem and fax calls
Voice over Packet Capabilities	Call progress tones, VAD, CNG, Dynamic programmable jitter buffer, Modem detection and auto switch to PCM, DTMF detection and generation
Signaling	
PSTN Interworking	V5.2 IPAT: V5.2 (ETSI) Media Gateways: SS7/SIGTRAN, CAS, MFC-R2, MF-R1
IP Transport	IETF RFC 3550, RFC 3551 RTP/RTCP Transport, TCP, UDP
Quality of Service	CMTS/CM: COPS Protocol (for Dynamic Quality of Service), DiffServ, TOS
Media Gateway Control Protocols	V5.2 IPAT: MGCP (RFC 2705)/NCS V1.0 PacketCable, Media Gateway: TGCP/NCS V1.0 PacketCable, MGCP (RFC 2705), MEGACO (H.248 RFC 3015)
Maintenance	
Management	Element Management System, SNMP v2, Embedded Server
Interfaces	
Ethernet	Dual-redundant 10/100 BASE-T Ethernet ports via 2 RJ-45 connectors on RTM
Telephony Interfaces	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 single -48 V DC
Physical	1U high, 19-inch wide rack mount
Regulatory Compliance	
Telecommunication Standards	FCC part 68, TBR4, and TBR13
Safety and EMC Standards	UL60950 FCC part 15 Class B, 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

¹ Contact AudioCodes for information regarding support for other voice coders

² With reduced channel capacity (half capacity; maximum 8 spans)

APPLICATIONS

- V5.2 IP Access Terminal
- PacketCable Media Gateway
- EuroPCablecom Media Gateway

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) enables the new voice infrastructure by providing innovative, reliable and cost-effective Voice over Packet technology and Voice Network products to OEMs, network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive media gateway and media processing technologies, based on VolPerfect™ – AudioCodes' underlying, best-of-breed, core media gateway architecture. The company is a market leader in voice compression technology and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, and enhanced voice services markets. AudioCodes enabling technology products include VoIP and CTI communication boards, 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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