

Mediant™ 600

The **Mediant™ 600** is AudioCodes' cost-effective, wireline VoIP media gateway. It is designed to interface between TDM & IP networks in enterprises and SMBs. Incorporating AudioCodes' innovative Voice over IP technology, the Mediant 600 enables rapid time-to-market and reliable cost-effective deployment of next-generation networks.

The Mediant 600 is based on VolPerfect™, AudioCodes underlying, best-of-breed, media gateway core technology for all of its products. The Mediant 600 provides superior voice technology for connecting legacy telephones and PBX systems to IP networks, as well as seamless connectivity of the IP-PBX to the PSTN. The Mediant 600 is fully interoperable with IP-PBXs, IP Centrex application servers, Softswitches, gateways, gatekeepers, proxy servers, IP phones, Session Border Controllers and firewalls.

The Mediant 600 matches the density requirements for small locations. The compact Mediant 600 Gateway supports 1 or 2 E1/T1/J1 spans or 4 to 8 BRI ports.

SEAMLESS INTERFACE WITH LEGACY ENTERPRISE NETWORKS

The Mediant 600 has enhanced hardware and software capabilities to ease its installation and to help maintain voice quality. If the measured voice quality falls beneath a pre-configured value, or the path to the destination is disconnected, the Mediant 600 can assure voice connectivity by falling back to the PSTN. In the event of network problems, calls can be routed back to the PSTN without requiring routing modifications in the PBX.

PROVIDE INTEROPERABILITY

The Mediant 600 is part of AudioCodes' complete family of stand-alone VoIP Gateways for OEM system integration. Throughout the years, AudioCodes has invested significant effort in complying with the leading and evolving VoIP standards. Support of multiple VoIP control protocols has been tested with leading Softswitch vendors. As a provider for OEMs, System Integrators and Network Equipment Providers, AudioCodes offers short time-to-market with field-proven products.

BENEFIT FROM EXTENSIVE EXPERIENCE

AudioCodes, established in 1993, is one of the world's leading providers of VoIP technology. AudioCodes' commitment to innovation yields consistently high-quality voice processing products that are feature-rich and field-proven. AudioCodes has deployed tens of millions of VoP ports in over 100 countries to date.



- Employs AudioCodes VolPerfect™ technology for outstanding voice quality
- Offers digital E1/T1/J1 or BRI interfaces
- Lifeline fallback to PSTN in case of power failure or network degradation
- PSTN fallback for assured connectivity

AudioCodes CPE & Access Gateway Products

Mediant™ 600

SPECIFICATIONS

Interfaces

Digital Capacity	1 or 2 E1/T1/J1 spans using RJ-48c connectors 1 fractional E1/T1/J1 (15 Ds0) span using RJ-48c connector
BRI Capacity	4 or 8 BRI ports (8/16 calls) per gateway using S/T interfaces Supports Euro ISDN, NI2, 5ESS or QSIG
I/O	MOH (Music On Hold), NB (Night Bell)
Ethernet	Dual Redundant 10/100 Base-TX Ethernet ports via 2 RJ-45 connectors
RS-232	Debugging and configuration

Media Processing

Voice Coders	G.711, G.726, G.723.1, G.729A, GSM-FR, EG.711 Independent dynamic vocoder selection per channel
Echo Cancellation	G.165 and G.168-2002, with 32, 64 or 128 tail length
Quality Enhancement	Dynamic programmable jitter buffer, VAD, CNG, 802.1p/Q VLAN tagging, DiffServ, voice quality monitoring, G.729B, RTPCXR
DTMF/MF Transport	Packet side or PSTN side detection and generation, RFC 2833 compliant DTMF relay Call Progress tone detection and generation
IP Transport	VoIP (RTP/RTCP) per IETF RFC 3550 and 3551
Fax and Modem Transport	T.38 compliant (real time fax), Automatic bypass to PCM or ADPCM

Signaling

Digital - PSTN Protocols	CAS: MF-R1: T1 CAS (E&M, Loop, Start, Feature Group-D, E911CAMA), E1 CAS (R2 MFC), R1.5 numerous protocol and country variants ISDN PRI: ETSI/EURO ISDN, ANSI NI2 and other variants (DMS100, 5ESS) QSIG (Basic and supplementary), IUA (SIGTRAN), VN3, VN4, VN6
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Control & Management

Control Protocol	SIP
Operations & Management	AudioCodes Element Management System Embedded HTTP Web Server, Telnet, SNMP V2, V3 Remote configuration and software download via TFTP, HTTP, HTTPS, DHCP and BootP, RADIUS, Syslog (for events, alarms and CDRs)

Security

Security Protocols	IPSEC, HTTPS, TLS (SIPS), SSL, Web access list, RADIUS login, SRTP ¹
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Hardware Specifications

Power Supply	Single universal 90-260 V AC power supply
Physical	1U high, 19-inch wide

Regulatory Compliance

Telecommunication Standards	TIA/EIA-IS-968, TBR-4, TBR-13, and TBR-21
Safety and EMC Standards	UL60950-1; FCC 47 CFR part 15 Class B CE Mark (EN55022 Class B, EN60950-1, EN55024, EN300 386, EN61000-3-2/3-3)
Environmental Specifications	ETS 300019-2-1 Storage T1.2, ETS 300019-2-2 Transportation T2.3 ETS 300019-2-3 Operating T3.2

¹ May reduce density

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 VolPerfect™ – 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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Ref. # LTRM-30017 02/08 V.1