Mediant™ 600 BRI VoIP Gateway

The **Mediant™ 600** is AudioCodes' cost-effective, wireline VoIP media gateway. The Mediant 600 is designed to interface between TDM & IP networks in enterprises, matching the density requirements for small locations. 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 VoIPerfect™, AudioCodes underlying, best-of-breed, media gateway core technology, providing superior voice technology for smooth connectivity of legacy telephones and PBX systems to IP networks and IP-PBX systems to the PSTN. The Mediant 600 is fully interoperable with IP-PBXs, IP Centrex application servers, Softswitches, gateways, IP Phones, and Session Border Controllers. The Mediant 600 Gateway supports 1 or 2 E1/T1/J1 spans, 4 to 8 BRI ports, or 4 FXS analog ports.

SEAMLESS INTERFACE WITH LEGACY ENTERPRISE NETWORKS

The enhanced hardware and software capabilities of the Mediant 600 provide easy installation and continuous maintenance of voice quality. If the measured voice quality falls beneath a preconfigured threshold, or if the path to a destination is disconnected, the Mediant 600 assures 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.

SAS - STAND ALONE SURVIVABILITY FOR SERVICE CONTINUITY

Customers who connect to centralized IP Centrex services, as well as branch offices of enterprises, using a centralized IP-PBX server, may face a survivability challenge. Stand Alone Survivability (SAS), supported in the Mediant 600, uses SIP B2BUA (Back to Back User Agent) functionality. It provides backup for SIP clients, such as IP and Soft Phones, in case connectivity with the centralized SIP server is lost.

PROVEN INTEROPERABILITY

The Mediant 600 is part of AudioCodes' family of stand-alone VoIP Gateways and supports multiple VoIP control protocols which have been tested with leading vendors of Softswitches, gateways, IP phones, and Session Border Controllers. Through years of interoperability experience and extensive investment in complying with leading and evolving VoIP standards, AudioCodes offers field-proven products with short time-to-market for OEMs, System Integrators and Network Equipment Providers.

BENEFIT FROM EXTENSIVE EXPERIENCE

AudioCodes, established in 1993, is one of the world's leading providers of VoIP technology. AudioCodes' commitment to high quality yields consistently superior 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 VoIPerfect™ technology for outstanding voice quality**
- **Offers digital E1/T1/J1, BRI or analog (FXS) interfaces**
- **Lifeline relay to PSTN in case of power failure or network degradation**
- **PSTN fallback for assured connectivity**
- **Stand Alone Survivability (SAS) for service continuity**

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SPECIFICATIONS

Interfaces	
E1/T1/J1	1, 2 or fractional (15 DS0) span spans using RJ-48c connectors
BRI S/T	4 or 8 ports (8/16 calls) per gateway using RJ-45 connectors
Analog	4 FXS ports using RJ-11 connectors
Ethernet	Dual Redundant Ethernet 10/100 Base-TX Ethernet ports via 2 RJ-45 connectors
RS232	RS-232 for configuration and troubleshooting

Media Processing	
Voice Coders	G.711, G.726, G.723.1, G.729A, GSM-FR, EG.711, EG.711, iLBC Independent dynamic vocoder selection per channel, VAD, CNG
Echo Cancellation	G.165 and G.168-2002, with 32, 64 or 128 tail length
QoS	802.1p/Q VLAN tagging, DiffServ, voice quality monitoring, RTCP-XR 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	T.38 compliant (real time fax), Automatic bypass to PCM or ADPCM

Signaling	
E1/T1 CAS	E&M, Loop Start, Feature Group-D, E911CAMA, R1.5, R2 MFC, numerous protocol and country variants
ISDN PRI	ETSI/EURO, ANSI NI2, DMS100, 5ESS, VN3, VN4, VN6 QSIG (Basic Call and Supplementary Services) and other variants, UIA (SIGTRAN)

Control & Management	
Control Protocol	SIP
Operations & Management	AudioCodes Element Management System Embedded HTTP Web Server, Telnet, SNMP V2/V3
Remote configuration and software download	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

Hardware Specifications	
Power Supply	Single universal 90-260 V AC power supply

Physical	
Dimensions	306x273x44mm

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: 2006, EN55024: 1998 + A1: 2001 +A2: 2003 EN6600-3-2: 2000 + A2: 2005, EN6600-3-3: 1995 + A1: 2001 EN60950-1:2001, A11: 2004)
Environmental Specifications	ETS 300019-2-1 Storage T1.2

ABOUT AUDIOCODES

AudioCodes Ltd. (NasdaqGS: 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 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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