

AudioCodes Mediant 500 Multi Service Business Router 1x E1 (M500-1ETC-A1GECS)



Product Name: AudioCodes Mediant 500 Multi Service Business Router 1x E1 (M500-1ETC-A1GECS)

Manufacturer: AudioCodes

Model Number: M500-1ETC-A1GECS

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The AudioCodes M500-1ETC-A1GECS is an all-in-one router combining access, data, voice and security in a single device. It is perfect for managed data, SIP trunking, hosted PBX and cloud services, and allows service providers to deploy flexible and cost-effective solutions and to maximize revenue opportunities while minimizing CAPEX and OPEX. Ideal as a trunking solution for SMBs with local PBX/KTS, the Mediant's unique multi-core architecture provides consistent high performance across all services, allowing end customers to get the most from their broadband connections for both data and voice applications.

AudioCodes M500-1ETC-A1GECS Key Features

- 3 WAN Interfaces
- 30 TDM Sessions
- 8 LAN Interfaces
- WiFi 802.11n
- Comprehensive interoperability
- All-in-one functionality
- Clear demarcation
- High resiliency
- Multiple WAN options

AudioCodes M500L-G-A1GECS Technical Specification

SBC Capacity

- Mediant 500:- 60 Max. Signaling/Media Sessions- 500 Max. Registered Users
- Mediant 500C:- 200 Max. Signaling/Media Sessions- 600 Max. Registered Users

Networking Interfaces

- WAN: WAN interface 10/100/1000 Base-T copper, dual-mode SFP (100Base-X and 1000Base-X), support for T1/E1*, SHDSL, ADSL2+, VDSL vectoring
- LAN: 4 ports 10/100/1000Base-T
- WiFi: WiFi access point support for 802.11 a/b/g/n

TDM Interfaces

- Digital Interfaces: 1 span E1/T1, 2 BRI ports NT or TE termination using RJ-48c connectors with 5 PPM high precision clock source
- Analog Interfaces: 4 FXS ports, 3 FXS and 1 FXO using RJ-11 connectors, FXS lifeline port in case of power failure

Voice Features

- Voice Coders: G.711, G.723.1, G.729A, G.722, AMR-WB, AMR-NB, SILK-NB, SILK-WB, OPUS-NB, OPUS-WB
- Echo Cancellation: G.165 and G.2002-168, with 64, 32 or 128 msec tail length
- Fax Transport: T.38 compliant (real time fax), automatic bypass to PCM

Data Routing

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• PPP, MLPPP, PPPoE, PPPoA, L2TP, IPoE, IPoAATM: Up to 8 PVCs
• OAM-F5 (send/receive): loopback, continuity check
• Shaping: UBR, VBR-NRT, VBR-RT, CBR
• DHCP client, relay, server
• VLAN and IEEE 802.1Q VLAN tagging
• Layer 3 routing and layer 2 bridging, jumbo frames
• Internal layer 2 switching
• Static and dynamic routing (RIP1, RIP2, OSPFv2, BGP), policy-based routing
• Multicast routing: IGMPv2
• IPv6, IPv6/IPv4 Dual Stack, ICMPv6, DHCPv6, SLAAC

Control and Management

• Control Protocols: SIP-TCP, SIP-UDP, SIP-TLS and IPv6 supported
• Operations & Management:- AudioCodes's One Voice Operation Center- Embedded HTTP Web Server, SNMP V2/V3, SSH, Telnet, TR-69, TR-098, TR-181, TR-104- User authentication and access control via HTTP or HTTPS, RADIUS, TACACS, Syslog (for events and alarms)- Zero Touch Provisioning

Security

• Voice Security - Session Border Controller (SBC):- SIP header conversion, SIP normalisation- Survivability- IP-to-IP routing translation of various SIP transport types; UDP, TCP, TLS, translation of RTP, SRTP- Support SIP trunk with multi-ITSP (registrations to ITSPs are invoked independently)- Topology hiding- Call Admission Control- Call black/white list
• Data Security:- IPsec- ESP & Tunnel mode- Encryption protocols: 3DES, AES, SHA-256, MD-5- IDS/IPS (fragmented traffic, malformed request, ping of death, properly formed request from unauthenticated source, DDoS attack, SYN flood) - Stateful packet inspection
• firewall- DMZ host- Packet filtering- Network Access Control - 802.1x

Physical/Environmental

• Dimensions: 43.7 (1U) x 310 x 210 mm (HxWxD)
• Weight: 4.4 lb (2.0kg)
• Mounting: Desktop or 19" rack mount
• Power: 100-240V, 50-60 Hz, 0.8A
• Environmental:- Operational: 0 to 40°C (41 to 104°F); Storage: -25 to 70°C (-13 to 185°F)- Relative Humidity: 10 to 90% non-condensing

Price: £1,633.30