

AudioCodes Mediant 800 Multi Service Business Router 4x E1 (M800C-4ET4S-A1GES)



Product Name: AudioCodes Mediant 800 Multi Service Business Router 4x E1 (M800C-4ET4S-A1GES)

Manufacturer: AudioCodes

Model Number: M800C-4ET4S-A1GES

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The AudioCodes M800C-4ET4S-A1GES is an all-in-one router combining access, data, voice and security in a single device. It is ideal for managed data, SIP trunking, hosted PBX and cloud services, and allows service providers to deploy flexible and cost-effective solutions and to maximise revenue opportunities while minimising CAPEX and OPEX. Designed specifically to meet the needs of SMBs and SMEs, the Mediant's 800 MSBR'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 M800C-4ET4S-A1GES Key Features

- 4 WAN Interfaces
- 124 TDM Sessions
- 12 LAN Interfaces
- WiFi 802.11n
- Comprehensive interoperability
- All-in-one functionality
- Multiple interfaces
- Superior quality
- High resiliency

AudioCodes M800C-4ET4S-A1GES Technical Specification

Capacity

• Mediant 800B:- Max. Signaling/Media Sessions: 60- Max. Registered Users: 500- Transcoding Sessions: 57

• Mediant 800C:- Max. Signaling/Media Sessions: 200- Max. Registered Users: 600- Transcoding Sessions: 110

Networking Interfaces

• WAN: Multiple WAN support for T1/E1, SHDSL, ADSL2+, VDSL2 vectoring, 100Base-X, 1000Base-X (SFP Format)

• LAN: Up to 12 ports 10/100/1000Base-T with option for Power over Ethernet on all ports. (PoE 802.3 at up to 30W per port/200W total)

• WiFi: WiFi access point support for 802.11 a/b/g/n

Telephony Interfaces

• Digital Interfaces: Up to 4 span E1/T1/J1 using RJ-48c connectors, 8 BRI ports using RJ-48c connectors with 5 PPM high precision clock source

• Analog Interfaces: UP to 12 analog FXS/FXO ports using RJ-11 connectors, option of 1 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

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• Fax Transport: T.38 compliant (real time fax), automatic bypass to PCM

Data Routing

• PPP, MLPPP, PPPoE, PPPoA, L2TP, IPoE, IPoA
• OAM-F5 (send/receive): loopback, continuity check
• 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' 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

Quality of Service

• IEEE 802.1P, DSCP, TOS, DiffServ labeling, WRED,
• Marking, policing, and shaping, class-based queuing with prioritization, queuing based on VLAN

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: 1U x 320mm x 345mm (HxWxD)
• Weight: Approx. 5.95lb (2.7kg) loaded with OSN
• Mounting: Desktop or 19" rack mount
• Power:- Mediant 800B: Internal AC power supply rated: 100-240V 4A 50- 60 Hz- Mediant 800C: Internal AC power supply rated: 100-240 VAC ~50- 60Hz 1.5A maximum (Optional) Additional 12V 10A DC power, via an AudioCodes external AC/DC power adaptor

OSN Server Platform (Optional)

• Single Chassis Integration: Optional embedded, x86, Intel-based Open Solution Network platform for third-party applications

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Price: £5,732.60
