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

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

ï¿½ 3 WAN Interfaces
ï¿½ 30 TDM Sessions
ï¿½ 8 LAN Interfaces
ï¿½ WiFi 802.11n
ï¿½ Comprehensive interoperability
ï¿½ All-in-one functionality
ï¿½ Clear demarcation
ï¿½ High resiliency
ï¿½ Multiple WAN options

 AudioCodes M500L-G-A1GECS Technical Specification
SBC Capacity

ï¿½ Mediant 500:- 60 Max. Signaling/Media Sessions- 500 Max. Registered Users
ï¿½ Mediant 500C:- 200 Max. Signaling/Media Sessions- 600 Max. Registered Users

Networking Interfaces

ï¿½ 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
ï¿½ LAN: 4 ports 10/100/1000Base-T
ï¿½ WiFi: WiFi access point support for 802.11 a/b/g/n

TDM Interfaces

ï¿½ Digital Interfaces: 1 span E1/T1, 2 BRI ports NT or TE termination using RJ-48c connectors with 5 PPM high precision clock source
ï¿½ Analog Interfaces: 4 FXS ports, 3 FXS and 1 FXO using RJ-11 connectors, FXS lifeline port in case of power failure

Voice Features

ï¿½ Voice Coders: G.711, G.723.1, G.729A, G.722, AMR-WB, AMR-NB, SILK-NB, SILK-WB, OPUS-NB, OPUS-WB
ï¿½ Echo Cancellation: G.165 and G.2002-168, with 64 ,32 or 128 msec tail length
ï¿½ Fax Transport: T.38 compliant (real time fax), automatic bypass to PCM

Data Routing

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ï¿½ PPP, MLPPP, PPPoE, PPPoA, L2TP, IPoE, IPoAATM: Up to 8 PVCs
ï¿½ OAM-F5 (send/receive): loopback, continuity checkShaping: UBR, VBR-NRT, VBR-RT, CBR
ï¿½ DHCP client, relay, server
ï¿½ VLAN and IEEE 802.1Q VLAN tagging
ï¿½ Layer 3 routing and layer 2 bridging, jumbo frames
ï¿½ Internal layer 2 switching
ï¿½ Static and dynamic routing (RIP1, RIP2, OSPFv2, BGP), policy-based routing
ï¿½ Multicast routing: IGMPv2
ï¿½ IPv6, IPv6/IPv4 Dual Stack, ICMPv6, DHCPv6, SLAAC

Control and Management

ï¿½ Control Protocols: SIP-TCP, SIP-UDP, SIP-TLS and IPv6 supported
ï¿½ 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

Security

ï¿½ 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
ï¿½ 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

ï¿½ Dimensions: 43.7 (1U) x 310 x 210 mm (HxWxD)
ï¿½ Weight: 4.4 lb (2.0kg)
ï¿½ Mounting: Desktop or 19” rack mount
ï¿½ Power: 100-240V, 50-60 Hz, 0.8A
ï¿½ 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: 1,897.66EUR