

## AudioCodes M500L MSBR DSL POTs (ADSL / VDSL) and EFM;4 port FE switch



Product Name: AudioCodes M500L MSBR DSL POTs (ADSL / VDSL) and EFM;4 port FE switch

Manufacturer: -

Model Number: M500L-G-A1GECS

AudioCodes M500L MSBR DSL POTs (ADSL / VDSL) and EFM;4 port FE switch  
(M500L-G-A1GECS)

The AudioCodes M500L-G-A1GECS is a compact, high performance VoIP connectivity solution for small enterprises and branch office locations. The M500L-G-A1GECS connects IP-PBXs to any SIP trunking service provider and offers superior performance in connecting any SIP to SIP environment as well as scaling up to 60 concurrent sessions.

AudioCodes M500L-G-A1GECS Key Features

- 60 SBC Sessions
- 8 TDM Sessions
- Branch Survivability
- Supports OPUS and SILK
- Comprehensive interoperability
- Hybrid functionality
- Enhanced security
- Superior voice quality
- High resiliency

In addition, the Mediant 500L supports up to 8 voice channels to enable versatile connectivity between TDM and VoIP networks, such as connecting legacy TDM PBX systems to IP networks and IP-PBXs to the PSTN.

AudioCodes M500L-G-A1GECS Technical Specification  
Capacities

- Max. Signaling: 60
- Max. Registered Users: 200
- Max. RTP/SRTP Sessions: 60

### Telephony Interfaces

- Digital: 1-4 BRI ports, network S/T interfaces, NT or TE termination
- Analog: Up to 4 FXS and 4 FXO ports
- Clock Source: 5 ppm High Precision

### Network Interfaces

- Ethernet: 4 GE interfaces configured in 1+1 redundancy or as individual ports

### Security

- Access Control: DoS/DDoS line rate protection, bandwidth throttling, dynamic blacklisting (Intrusion Detection System)
- VoIP Firewall: RTP pinhole management, rogue RTP detection and prevention, SIP message policy, advanced RTP latching
- Encryption/Authentication: TLS, SRTP, HTTPS, SSH, client/server SIP Digest authentication, RADIUS Digest
- Privacy: Topology hiding, user privacy
- Traffic Separation VLAN/physical interface separation for multiple media, control and OAMP

## AudioCodes M500L MSBR DSL POTs (ADSL / VDSL) and EFM;4 port FE switch

### interfaces

#### Interoperability

- SIP B2BUA: Full SIP transparency, mature and broadly deployed SIP stack, stateful proxy mode
- SIP Interworking: 3xx redirect, REFER, PRACK, session timer, early media, call hold, delayed offer and more
- Registration and Authentication: SIP Registrar, registration on behalf of users/servers, SIP Digest access authentication
- Transport Mediation: Mediation between SIP over UDP/TCP/TLS, IPv4/IPv6, RTP/RTCP (SDES)
- Header Manipulation: Add/modify/delete SIP headers and message body using simple WireShark-like language with powerful capabilities such as variables and utility functions
- Number Manipulations: Ingress and egress digit manipulation
- SIP Interworking: 3xx redirect, REFER, PRACK, session timer, early media, call hold, delayed offer
- Signal Conversion: DTMF/RFC 2833/SIP, T.38 fax, T.38 V3, packet-time conversion
- NAT: Local and far-end NAT traversal for support of remote workers

#### Voice Quality and SLA

- Call Admission Control: Limit number and rate of concurrent sessions and registers per peer for inbound and outbound directions
- Packet Marking: 802.1p/Q VLAN tagging, DiffServ, TOS
- Standalone Survivability: Maintains local calls in the event of WAN failure
- Voice Monitoring and Enhancement: Transrating, RTCP-XR, acoustic echo cancellation, replacing voice profile due to impairment detection, fixed and dynamic voice gain control, packet loss concealment, dynamic programmable jitter buffer, silence suppression/comfort noise generation, RTP redundancy, broken connection detection
- Image Enhancement BLC/3D DNR
- Direct Media: Hair-pinning (no media anchoring) of local calls to avoid unnecessary media delays and bandwidth consumption
- Test Agent: Ability to remotely verify connectivity, voice quality and SIP message flow between SIP UAs

#### SIP Routing

- Routing Criteria: Incoming SIP trunk, DID ranges, host names, any SIP headers, codecs, QoS, bandwidth
- Querying External Databases: Routing based on customized queries of ENUM, LDAP, HTTP server (REST API)
- Route To: Configured SIP peers, registered users, IP address, request URI
- Advanced Routing Features: Alternative routes, load balancing, least-cost routing, call forking, E911 emergency call detection and prioritization
- SIPREC: IETF standard SIP recording interface

#### Management

- OAM&P: Browser-based GUI, CLI, SNMP, INI Configuration file, REST API, EMS

#### Physical/ Environmental

## AudioCodes M500L MSBR DSL POTs (ADSL / VDSL) and EFM;4 port FE switch

½ Dimensions: 51 x 296 x 160 mm (2 x 11.65 x 6.3 in.) (HxWxD)

½ Weight: 670g

½ Mounting: Desktop

½ Power: Single universal AC power supply 100-240V, 50-60 Hz, 12V/3A or 12V/5A

½ Environmental: Operational: 5 to 40°C (41 to 104°F); Storage: -25 to 85°C (-13 to 185°F) Relative Humidity: 10 to 90% non-condensing

**Please Enquire**

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