Product Name: AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25

Manufacturer: AudioCodes

Model Number: M1KB-ESBC-25

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The AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25 provides Perimeter Defense as a way of protectingcompanies from malicious VoIP attacks; mediation for allowing theconnection of any PBX and/or IP-PBX to any Service Provider; and Service Assurance for service quality and manageability.

• A highly integrated device for VoIP, Security & Access, forming a single managed point of demarcation
• Based on three core foundations: Perimeter Defense, Mediation and Service Assurance
• Standards-based solution with proven interoperability
• Software license scalability up to 150 secured SBC VoIP sessions.
• Encryption for communication privacy and prevention of eavesdropping
• Transparent communication for mobile users Survivability with PSTN Failover
• IP-to-IP protocol normalization and media transcoding
• Proven Voice Quality superiority
• Media Processing for Transcoding, Gain Control, DTMF/FAX, etc.
• Extensive filtering and admittance policies

Designed as a cost effectiveappliance, the AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25 is based on field-proven VoIP and networkservices with a native host processor with integrated quality of service, SLAmonitoring, security and manageability. The native implementation of SBCfunctions on the Mediant 1000 provides a host of additional capabilities thatare not possible with standalone SBC appliances, such as VoIP mediation,PSTN Access, survivability, and third party value-added services applications.This enables enterprises to utilize the advantages of converged networks andeliminate the need for standalone appliances.

Why Enterprise Session Border Controllers?

Session Border Controllers were traditionally deployed at the border of service provider core networks. Both Enterprises and Service Providers have now realized the essential need of enterprise-based session border controllers, located at the customer premises for addressing the security, mediation and SLA requirements of the Enterprise. The Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25 provides an open and flexible architecture for all Enterprise deployments, acting as the demarcation point between an Enterprise and a SIP Trunking provider, an enterprise and a hosted Unified Communication service provider or an enterprise and other organizations for direct VoIP calling.

Enterprise Session Border Controller and Security Services

AudioCodes’ AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25 is designed as a secured VoIP and data platform. Enhanced Media Gateway security features include encryption schemes, such as SRTP for media, TLS for SIP control, IPSec for management and Denail of service protection A fully featured Enterprise-class Session Border Controller provides a secured voice network deployment, based on the embedded Back-to-Back User Agent (B2BUA).

Integrated PSTN connectivity

The AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions M1KB-ESBC-25 is based on a highly interoperable Media Gateway, which supports a mix of 1-4 E1/T1/J1 Spans, 4-20 BRI lines and 4-24 Analog FXS/FXO interfaces. Enhanced dialing plans and voice routing capabilities along with SIP to SIP mediation, allow Enterprise customers to enjoy the benefits of SIP Trunking services and IP-based Unified Communications, as well as flexible PSTN and legacy PBX connectivity.CHAMPS-M1K_S3/YR CHAMPS (9x5) CHAMPS (9x5) Annually renewable fee, remote technical support, including patches, maintenance releases, and major version releases.

AHR-M1K_S3/YR One year parts advance replacementAudiocodes AHR-M1K_S3/YR One year parts advance replacement service during factory warranty period

Technical Specification
Capacities

• Max. Sessions Up to 150
• Max. Registered Users Up to 600
• Transcoding Sessions Up to 60

Interfaces

• PSTN Modularity and Capacity Voice interface: the Mediant 1000B is equipped with 6 Slots for hosting voice processing and PSTN termination modules (up to 120 TDM-VoIP channels per Gateway)
• Digital Module 1, 2 or 4 E1/T1/J1 spans per module using RJ-48c connectors with an option of PSTN Fallback
• Analog Module 4 ports FXO or FXS per module using RJ-11 connectors, ground start and loop start
• BRI Module 4 BRI ports (8 calls) per module, network S/T interfaces. NT or TE termination
• Media Processing Module Support Media processing options of up to 60 Conferencing legs (3 way or N-way), play, record to IP or PSTN

Networking Interfaces

• Ethernet 3 pairs of Active / Stand-by GE interfaces

OSN Server Platform

• Single Chassis Integration Embedded, Partner Application Platform for third party services
• CPU Multiple options
• Memory 1G RAM or 2G RAM
• Storage Single/Dual hard disk drives
• Interfaces 10/100/1000B Base-T, USB, VGA, RS-232 Security

Security

• Access Control - White/Black Lists, Denial of Service protection
• VoIP firewall and deep packet inspection - RTP pinhole management according to SIP offer/answer model. Rouge RTP detection and prevention*, SIP message policy
• Encryption and Authentication - TLS, SRTP, HTTPS, SSH, IPSec, IKE, SNMPv3, MD5, Client/Server authentication
• Privacy - Topology Hiding, User Privacy
• Traffic Separation - Physical or VLAN Interface Separation (Media/OAM/Control)

Interoperability

• SIP Standalone SIP B2BUA, Netann (RFC4240), MSCML (RFC5022) or RFC 4117 transcoding device control Full SIP transparency, mature & broadly deployed SIP stack
• ITSP and PBX support Interoperable with many SIP trunk Service Providers and PBX vendors
• Transport Mediation SIP over UDP to SIP over TCP or SIP over TLS, IPv4 to IPv6*, RTP to SRTP
• Header manipulation Programmable header manipulation. Ability to add/modify/delete headers using advanced regular expressions
• URI and Number manipulations URI User and Host name manipulations. Ingress & Egress Digit Manipulation
• Hybrid PSTN mode Connect to TDM PBXs or PRI/CAS trunks for least-cost routing or fallback. Also useful for gradual enterprise migration to SIP. Support for analog and T1/E1/J1
• Transcoding and Vocoders Coder normalization, including: transcoding, coder enforcement and re-prioritization. Extensive vocoder support: Wireline: G.711a/mu, G.723.1, G.726, G.727, G.729A/B/E, EG.711, Wireless: GSM-FR, GSM-EFR, MS-GSM, AMR, iLBC, EVRC, QCELP, Wideband: G.722
• Signal Conversion DTMF/RFC2833, Inband/T.38 Fax, Packet-time Conversion
• NAT Local and Far-End NAT Traversal for support of remote workers
• Signal Detection Fixed & Dynamic Gain Control, DTMF/RFC2833, Packet-time conversion

Voice Quality and SLA

• Routing methods Request URL, Source/Destination IP Address, Fully Qualified Doman Name, ENUM, LDAP
• Alternative Routing and load balancing Detect proxy failures and route to alternative proxies. Load balance across a pool of proxies, least cost routing
• Multiple LANs Support for up to 32 separate LANs

Physical / Environmental

• Enclosure 1U chassis
• Dimensions (HxWxD) 1U x 320mm x 345mm
• Weight Approx. 5.95lb (2.7kg) loaded with OSN
• Power 100-240 V AC power feeds

Regulatory Compliance

• Telecommunications TBR-3 (BRI interface) TIA/EIA-IS-968 (FXO, T1) interface, ETSI ES203 021 (FXO interface), TBR-4 (ISDN over E1 interface), TBR13/13 (E1 lines)
• Safety and EMC IEC60950-1, UL60950-1, FCC Part 15 Class A, EN55022 Class A, EN55024, EN300 386
• Environmental Storage: ETS300019-2-1 class T1.2 Transportation: ETS300019-2-2 class T2.3

Price: £2,242.60

Options available for AudioCodes Mediant 1000B Enterprise Session Border Controller (E-SBC) - 25 SBC sessions

M1KB-ESBC-25 :

Channel Managed Packaged Services (CHAMPS)
CHAMPS-M1K_S3/YR CHAMPS (9x5).

AHR - Advanced Replacement
None,   AHR-M1K_S3/YR 1 year parts/warranty period.