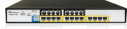


Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5



Product Name: Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5

Manufacturer: AudioCodes

Model Number: M800-ESBC-5

Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5

The Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5 provides Perimeter Defense as a way of protecting companies from malicious VoIP attacks; mediation for allowing the connection of any PBX and/or IP-PBX to any Service Provider; and Service Assurance for service quality and manageability. Designed as a cost-effective appliance, the Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions is based on field-proven VoIP and network services with a native host processor, allowing the creation of purpose-built multiservice appliances, providing smooth connectivity to cloud services, with integrated quality of service, SLA monitoring, security 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 60 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

The native implementation of SBC provides a host of additional capabilities that are 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 and eliminate 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 800 E-SBC 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. 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 800 E-SBC 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's Mediant 800 E-SBC is designed as a secured VoIP platform. Enhanced

Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5

Media Gateway security features include encryption schemes, such as SRTP for media, TLS for SIP control, IPSec for management, and Denial 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

Audiocodes Mediant 800 E-SBC is built upon a highly interoperable VoIP Media Gateway, which can be delivered in several pre-defined configurations: a single E1/T1/J1 trunk and up to 4 BRI ports (8 calls) or 12 analog (FXS/FXO) ports. In addition, the Mediant 800 E-SBC provides enhanced dialing plans and voice routing capabilities along with its SIP to SIP mediation, allowing business customers to enjoy the benefits of SIP Trunking services, IP Centrex connectivity, Unified Communications, as well as flexible PSTN and legacy PBX connectivity to VoIP. Audiocodes CHAMPS-M800_S1/YR CHAMPS (9x5) Annually renewable fee, remote technical support, including patches, maintenance releases, and major version releases. AHR-M800_S1/YR One year parts advance replacement service during factory warranty period

Audiocodes Mediant 800 Enterprise Session Border Controller Technical Specification

Capacities

- Max. Sessions Up to 60
- Max. Registered Users Up to 200

Interfaces

- Analog 4/8/12 FXS ports, using RJ-11 connectors 4/8/12 FXO ports, using RJ-11 connectors 2/4/6 E&M ports, using R48S connectors
- Digital 4/8 BRI ports, network S/T interfaces, NT or TE termination, using RJ-49c connectors
- Single span E1/T1, using RJ-48c connectors

Networking Interfaces

- Ethernet 1 or 6 pairs of GE/FE interfaces for 1+1 port redundancy

OSN Server Platform (Optional)

- Single Chassis Integration Embedded, open Network Solution Platform for third-party services
- CPU Intel ATOM N270, 1.6 GHz up to 2MB RAM; or Intel Celeron 847E, 2 x 1.1 GHz, 2MB RAM
- Memory Up to 4GB RAM
- Storage SATA storage

Security

- 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
- 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 Vcoders Coder normalization, including: transcoding, coder enforcement and re-prioritization. Extensive vocoder support: Wireline: G.711a/mu, G.723.1, G.729A/B/E, Wideband: G.722, AMR-WB

Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5

- Signal Conversion DTMF/RFC 2833, Inband/T.38 Fax, Packet-time Conversion, V.150.1
- 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

- Call Admission Control Deny excessive calls based on session establishment rate, number of connections and number of registrations (per SIP trunk or routing domain)
- Packet marking 802.1p/Q VLAN tagging, DiffServ, TOS
- Intelligent Voice Multiple queues for granular prioritization of VoIP over other non-real time traffic types, Integrated Queuing and scheduling schemes (Strict Priority, Class based Prioritization queuing, fairness)
- Stand Alone Survivability Maintain local calls in the event of WAN failure. Outbound calls use PSTN Fallback for external connectivity (including E911)
- Impairment Mitigation Packet Loss Concealment, Dynamic Programmable Jitter Buffer, Silence Suppression/Comfort Noise Generation, RTP redundancy, broken connection detection
- Voice Enhancement Transrating, RTCP-XR
- Media Anchoring Hair-pinning of local calls to avoid unnecessary media delays and bandwidth consumption
- Integrated BroadSoft PacketSmart®; SLA Monitoring and VoIP Troubleshooting* (Optional) Full QoS Monitoring (Jitter, Packet Loss, Delay and MOS), full lifecycle management and troubleshooting

SIP Routing

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

Data Routing (Optional)

- DHCP/PPPoE/L2TP/PPTP client towards WAN; DHCP server towards LAN VLAN Layer 3 routing Internal layer 2 switching Static and dynamic routing (RIP1, RIP2, OSPF, BGP)

Physical / Environmental

- Enclosure 1U chassis
- Dimensions 1U x 320mm x 345mm (HxWxD)
- Weight Approx. 5.95lb (2.7kg) loaded with OSN
- Mounting Desktop or 19" mount
- Power 90-254 V AC power feeds
- Operating Temperature 5°C; -40°C

Regulatory Compliance

- Telecommunications TIA/EIA-IS-968, ETSI ES 203 021 (FXO interface)
- Safety and EMC UL60950-1 CB certification including national deviations EN60950-1, EN55024, EN55022 Class A, EN61000-3-2, EN61000-3-3, EN300 386 FCC 47 Part 15 Class A

Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions M800-ESBC-5

Price: £652.60

Options available for Audiocodes Mediant 800 Enterprise Session Border Controller (E-SBC) - 5 SBC sessions

M800-ESBC-5 :

Channel Managed Packaged Services (CHAMPS)

[CHAMPS-M800_S1/YR](#) CHAMPS (9x5).

AHR - Advanced Replacement

[AHR-M800_S1/YR](#), [None](#).

VoIPVN <http://voip.com.vn>