The AudioCodes Mediant 4000 Session Border Controller (SBC) is a mid-to-high scale capacity member of AudioCodes’ field-proven hardware-based SBC product family, designed to offer enterprises and service providers a reliable and scalable SBC solution. The Mediant 4000 SBC supports wide-ranging SIP interoperability, delivering service assurance and enabling scalable, reliable and secured connectivity between different VoIP networks.

The Mediant 4000 SBC provides a perfect solution for enterprises and large organizations such as contact centers, large data centers, hosted service providers and government institutions where security, reliability and high performance are critical.

**Extensive Mediation Capabilities and Proven Interoperability**

The Mediant 4000 SBC includes comprehensive media security and SIP normalization capabilities. It offers full interoperability with an extensive list of IP-PBXs, unified communications solutions and SIP trunking provider networks.

**Security**

The Mediant 4000 SBC provides robust protection for the IP communications infrastructure, preventing fraud and service theft and guarding against cyber-attacks and other service-impacting events.

**Reliability**

The Mediant 4000 SBC offers active/standby high availability and maintains high voice quality to deliver reliable enterprise VoIP communications. Advanced call routing mechanisms, network voice quality monitoring and branch survivability capabilities result in minimum communications downtime.

**Applications**

- SIP trunking
- Hosted PBX & UC as a Service
- IP contact centers
- Remote and mobile worker support
- SIP mediation between UC and IP-PBX systems
- Residential VoIP
**Specifications**

**Capabilities**
- Max. Signaling/Media Sessions: 5,000
- Max. SRTP/RTCP Sessions: 3,000
- Max. Transcoding Sessions: 1,650
- Max. Registered Users: 20,000

**Networking Interfaces**
- Ethernet: 8 Redundant 100/1000 Base-T Ethernet ports for physical separation between multiple LAN and WAN between Media, Control and OAM

**Security**
- Access Control: DoS/DDoS line rate protection, bandwidth throttling, Dynamic Blacklisting
- VoIP Firewall: RTP pinhole management, Rogue RTP detection and prevention, SIP message policy
- Encryption and 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 OAM interfaces
- Intrusion Detection: Detect and mitigate VoIP attacks, prevent theft of service and unauthorized access

**Interoperability**
- SIP B2BUA: Full SIP transparency, mature & broadly deployed SIP stack
- SIP interworking: Multiple LANs Support for up to 48 separate LANs
- Routing Features: Least cost routing, call forking, load balancing
- Advanced Routing Criteria: QoE, bandwidth, SIP message (SIP request, Coder type etc.)
- Routing Methods: Request URL, IP Address, CNAME

**SIP Routing**
- Routing Methods: Request URL, IP Address, FQDN, ENUM, advanced LDAP
- Advanced Routing Criteria: QoE, bandwidth, SIP message (SIP request, Coder type etc.)
- Redundancy: Detect proxy failures and route to alternative proxies
- Routing Features: Least cost routing, call forking, load balancing
- Multiple LANs: Support for up to 48 separate LANs
- SIP Rec: IETF standard SIP recording interface

**Physical / Environmental**
- Dimensions: 1U x 444mm x 355mm (HxWxD)
- Weight: Approx. 11.7 lbs (5.3Kg)
- Mounting: Desktop or 19” rack mount
- Power: 100–240 V AC redundant dual feed
- Operating Temperature: 5°–40° C

**Regulatory Compliance**
- UL60950-1
- FCC Part 15 Class A
- IEC-6000-3 Class A
- CE marking: IE06950-1, EN55024, EN55022 Class A, EN61000-3-2, EN61000-3-3, ETSI EN300 386

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**About AudioCodes**

AudioCodes Ltd. (NasdaqGS: AUDC) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology market leader focused on converged VoIP & data communications and its products are deployed globally in Broadband, Mobile, Enterprise networks and Cable. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Routers, Session Border Controllers (SBC), Residential Gateways, IP Phones, Media Servers and Value Added Applications. AudioCodes’ underlying technology, VoPerfect HDTM, relies on AudioCodes’ leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility and a better end user communication experience in Voice communications.

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Ref. # LTRM-30034 01/14 V.6