AudioCodes Session Border Controller (SBC) Products

Mediant 500

Session Border Controller



Benefits

- A highly integrated device for secured SIP
 Trunking and PSTN access, forming a single and managed point of demarcation for VoIP networks
- Compact, high performance VoIP connectivity device for small enterprises and branch offices
- Extensive interoperability and partnerships that extend across multiple vendor devices and protocol implementations
- Offers comprehensive security and reliability
- Delivers high service performance and voice quality
- Branch office survivability in the event of a WAN outage

Key Features

- Rich and powerful SIP normalization and routing mechanisms for seamless interoperability
- Support for E1/T1 digital TDM interface
- Supports remote workers and mobile SIP clients
- Perimeter defense against denial of service, fraud and eavesdropping
- VoIP quality monitoring and enforcement
- High Availability using two box redundancy

The AudioCodes Mediant 500 Enterprise Session Border Controller (E-SBC) is a compact, high performance VoIP connectivity solution for small enterprises and branch office locations. The Mediant 500 connects IP-PBXs and unified communications platforms to any SIP trunking service provider, scaling up to 250 concurrent SBC sessions. It offers superior performance in connecting any SIP to SIP environment, legacy TDM-based PBX systems to IP networks and IP-PBXs to the PSTN, supporting a single E1/T1 interface with 30 voice channels in

a 1U platform. It also ensures secure and reliable communications for

branch offices in distributed enterprise communications deployments.

Vast mediation capabilities and proven interoperability

The Mediant 500 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 500 provides robust protection for the IP communications infrastructure, preventing Denial of Service, fraud and service theft and guarding against cyber-attacks and other service-impacting events.

Reliability

The Mediant 500 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



Mediant 500

SPECIFICATIONS

250	May SRTD/RTD Soccions	180
	Max. SRTP/RTP Sessions	180
800		
Single F1/T1 interfs	200	
Supporting various I 100 and others. It a	ISDN PRI protocols such as EuroISDN, North Also supports different variants of CAS protoco	
4 GE interfaces con	figured in 1+1 redundancy or as individual po	orts
DoS/DDoS line rate	protection, bandwidth throttling, dynamic bla	acklisting
RTP pinhole manage	ement, rogue RTP detection and prevention, S	SIP message policy, advanced RTP latching
TLS, SRTP, HTTPS, S	SSH, client/server SIP Digest authentication, I	RADIUS Digest
Topology hiding, use	er privacy	
VLAN/physical inter	face separation for multiple media, control ar	nd OAMP interfaces
Detection and preve	ention of VoIP attacks, theft of service and un	authorized access
Full SIP transparence	cy, mature and broadly deployed SIP stack, sta	ateful proxy mode
3xx redirect, REFER, PRACK, session timer, early media, call hold, delayed offer		
User registration restriction control, registration and authentication on behalf of users, SIP authentication server for SRC users		
Ability to add/modify/delete SIP headers and message body using advanced regular expressions (regex) LIRL user and bost name manipulations, ingress and egress digit manipulation.		
Coder normalization including transcoding, coder enforcement and re-prioritization, extensive vocoder support: G.711, G.723.1, G.726, G.729, GSM-FR, AMR-NB/WB, SILK-NB/WB, Opus-NB/WB		
DTMF/RFC 2833/SIP, T.38 fax, V.34, packet-time conversion		
Local and far-end NAT traversal for support of remote workers		
Based on bandwidth	h, session establishment rate, number of con	nections/registrations
802.1p/Q VLAN tag	ging, DiffServ, TOS	
Maintains local calls in the event of WAN failure. Outbound calls can use PSTN fallback for external connectivity (including E911)		
Packet Loss Concealment, Dynamic Programmable Jitter Buffer, Silence Suppression/Comfort Noise Generation, RTP redundancy, broken connection detection		
Transrating, RTCP-XR, Acoustic echo cancellation, replacing voice profile due to impairment detection, Fixed & dynamic voice gain control		
Hair-pinning of local calls to avoid unnecessary media delays and bandwidth consumption		
RTCP-XR, AudioCodes Session Experience Manager (SEM)		
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SBC high availability		
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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, VolPerfect 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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