AudioCodes Enterprise Session Border Controllers (E-SBCs)

AudioCodes' **Enterprise Session Border Controller (E-SBC)** products provide businesses with the interoperability, survivability, security and quality assurance required to connect their IP-based communications platforms with branch offices and service provider networks.
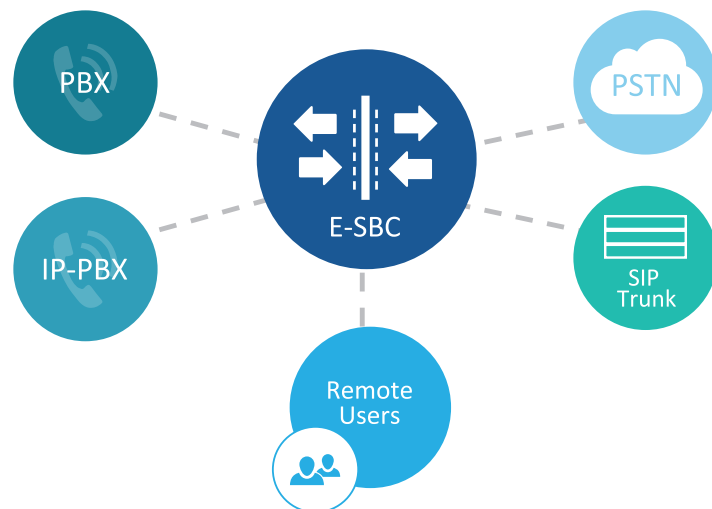
Based at the business premises, the E-SBC acts as the demarcation point between the enterprise VoIP network and the service provider's SIP-based services such as SIP trunking or hosted unified communications applications. AudioCodes E-SBCs support high availability at any scale to ensure uninterrupted communications. They enable secure and reliable connectivity of remote users within a centralized unified communications or IP contact center architecture.

AudioCodes E-SBC Benefits

- Virtual SBCs for private and public clouds as well as hardware SBCs
- Broad selection of pure IP and hybrid (IP/TDM) platforms to suit any deployment
- Vast SIP mediation and extensive interoperability
- Complete perimeter defense for the enterprise
- High availability, survivability and resiliency for branch offices and SMBs
- Single managed point of demarcation
- Enhanced Quality of Experience (QoE)
- Software license scalability
- Supported by AudioCodes Routing Manager for end-to end routing

Applications

- SIP trunking
- IP contact centers
- Hosted UC applications
- WebRTC gateway
- Remote and mobile worker support
- Connecting to multiple service providers with least cost routing capability
- SIP mediation between UC and IP-PBX systems

AudioCodes Enterprise SBC

Pure SBCs

	Mediant 2600	Mediant 4000	Mediant 9030	Mediant 9080	Software SBCs		
					Mediant CE	Mediant VE	Mediant SE
Max. SBC Sessions	600	5,000	30,000	70,000	50,000	24,000	55,000
Max. Transcoding Sessions	600	5,000	1,000	30,000*	50,000	24,000	55,000
Chassis Form Factor	1U	1U	1U	1U	-	-	-
1+1 Redundancy	✔	✔	✔	✔	✔	✔	✔
Voice Quality Monitoring	✔	✔	✔	✔	✔	✔	✔
OSN Server Platform (optional)	-	✔	-	-	-	-	-

* With media transcoding cluster

Hybrid SBCs

	Mediant 500L	Mediant 500	Mediant 800	Mediant 1000	Mediant 3000
Max. SBC Sessions	60	250	400	150	1,008
Max. Transcoding Sessions	*	*	110	96	1,008
Max. TDM Channels	8	30	124	192	2,016
Chassis Form Factor	1U	1U	1U	1U	2U
Redundancy	-	Two box redundancy	Two box redundancy and dual power supply	Redundant power supply	Full hardware
Data Firewall and Router (Optional)	✔	✔	✔	-	-
Voice Quality Monitoring	✔	✔	✔	✔	✔
OSN Server Platform (optional)	-	-	✔	✔	-

SBC Common Features

Security	Interoperability	Quality of Experience
- Denial of Service protection - VoIP firewall and deep packet inspection - Encryption and authentication - Topology hiding - Traffic separation	- Wide ITSP and PBX interoperability - Transport mediation - Header manipulation - Extensive transcoding and vocoders - NAT traversal - WebRTC gateway	- Call Admission Control - VoIP prioritization - Packet loss concealment - Signaling and media failover - Fixed and dynamic gain control - Full QoE monitoring: Jitter, packet loss, delay and MOS