

SBC Core Functional Differences

The following table lists the primary functional differences between the SBC Core models in this release.



-  = Supported
-  = Not supported

Table 1: SBC Core Functional Differences

Feature	SBC 51x0/52x0	SBC 5400	SBC 7000 Series	SBC SWe (Virtual)		SBCSWe (Cloud)			References
				VMware with ESXi Hypervisor	Direct KVM Hypervisor	Integrated SBC in OpenStack	Microservices	AWS	
Fax transcoded calls:									Refer to Fax Over IP
• G.711–T.38 (V0)									
• G.711–T.38 (V3)									
• T.38 (V0)–T.38 (V0)									
• T.38 (V3)–T.38 (V3)									
Fax/Modem Fallback									
GW-GW signaling / Gateway signaling support									Refer to Configuring Gateways (Features Guide), Zone - Gw Trunk Group (EMA), Zone - GW Trunk Group - CLI.
Link Detection:									Refer to SBC Core Redundancy for details.
Physical link detection									NOTE: On the SBC SWe, physical link detection is supported only on DIO Packet Interfaces.
ICMP Ping									
ARP Probing									

Maximum number of call legs	1/2 of UDP media port range	1/2 of UDP media port range	Determined by: <ul style="list-style-type: none"> number of IP addresses per interface UDP media port range 	(Refer to SBC SWe Performance Metrics)				Two examples assuming 64,000 media port range: <ul style="list-style-type: none"> SBC 5000 series number of call legs = 32,000 SBC 7000 series number of IP addresses = 6 / number of call legs = 110,000 (Refer to SBC Provisioning Limits for details).	
SIP Trunk Group profiles:								Refer to SBC Provisioning Limits for details.	
1K				Maximum number varies based on server hardware where VM is deployed and VM vCPUs / memory configuration				SBC 7000 4K/40K example: <ul style="list-style-type: none"> 4,000 instances each of Address Contexts, Zones, IP Interface Groups, IP Interfaces, Signaling Ports; 40,000 Trunk Groups 	
4K									
4K/10K									
4K/40K									
Standby packet port support							(See note below)		Refer to SBC Core Redundancy for details.
DTMF detection (NP-based)									
Geographical Redundancy (GRHA)									Refer to SBC Core Redundancy details.
N:1 Redundancy									Refer to SBC SWe Cloud N:1 Redundancy Architecture for details.
							S-SBC: 1+1 M-SBC: 4+1		

Maximum number of call legs	1/2 of UDP media port range	1/2 of UDP media port range	Based on number of IP addresses per interface and UDP media port range	Refer to SBC SWe Performance Metrics					
EVRC-B Codecs	✓	✓	✓	✓	✓	✓	Pass-through	✓	
MSRP	✓	✓	✓	✓	✓	✓	✗	✗	
H.323 Support	✓	✓	✓	✓	✓	✗	✗	✗	
SR-IOV	N/A	N/A	N/A	✓	✓	✓	✓	✓	
Direct I/O Support	N/A	N/A	N/A	✓	✓	N/A	N/A	N/A	
ENA Networking Support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	
DHCP Support	✗	✗	✗	✗	✗	✓	✓	✓	
NIC Teaming	✗	✗	✗	✓	✗	✗	✗	✗	
UC (Video, BFCP, Content Share)	✓	✓	✓	✓	✓	✓	✗	✗	
Transcoding	✓	✓	✓	✓	✓	✓	✗	✓	Note: Not supported for M4/M5 AWS in stance types.
GPU Transcoding	✗	✗	✗	✗	✗	✗	✓	✗	
SIP over SCTP	✓	✓	✓	✓	✓	✗	✗	✗	
Network Wide Licensing	✗	✗	✗	✓	✓	✗	✓	✗	
SRTP	✓	✓	✓	✓	✓	✓	✗	✓	



Note

Supported for four packet port configuration only. Not supported for any other packet port configuration.

