

SBC Core Key Features

The following table lists the key SBC Core features.

Table 1: SBC Core Key Features

Features	Description
General	<ul style="list-style-type: none">• Stand-alone system platforms• HA system platforms• Includes an Embedded Routing Engine (ERE), performs DNS, ENUM lookups• Supports IPv4, IPv6, IPv4/IPv6 interworking, SIP, H.323, GW-GW, SSH, SNMP, NTP, RTP/RTCP, FTP, UDP, TCP, DNS, and ENUM.• Packet-to-packet call flows (B2B UA)• Extensive SIP signaling and session handling• Media relay and transcoding with pinhole control• Local storage• DoS protection• Crypto functions (IPsec, TLS, SRTP)• Transparency Profile (Refer to SBC SIP Transparency Implementation Guide)
Routing/Policy	<ul style="list-style-type: none">• Integrated routing• Embedded Routing Engine (ERE)• DIAMETER+ queries to optional external centralized PSX Policy/Route Server with or without internal ERE fallback <p>(Refer to Routing and Policy Management)</p>
Robust Security	<ul style="list-style-type: none">• IP Trunk Groups• Call Admission Control• Rate Limiting• Access Control Lists• Traffic Policing• IPsec• Topology Hiding• Split DMZ• TLS Signaling• SRTP• Firewall/NAT• DoS/DDoS Protection• SIPS• Dynamic Blacklisting• Rogue RTP Protection• Encrypted Communication• Malformed Packet Protection <p>(Refer to Security Best Practices Guide for security best practices)</p>
Media/Multimedia Services	<ul style="list-style-type: none">• Audio codecs (Refer to Audio Codecs, Audio Support)• Video codecs (Refer to Video Codecs, Video Support)• Text codecs (Refer to Text Codecs)• T.38 compliant relay or fall back to G.711, Dynamic Jitter Buffer, Fax/ Modem Detection, DTMF/Tone Relay/RFC2833/ RFC4733,• BFCP, FECC, H.239, Presentation• ICE (Refer to SDP Support)• WebRTC (Refer to SBC for WRTC)

Management	<ul style="list-style-type: none"> • Command Line Interface (CLI) • Embedded Management Application (EMA) GUI interface • REST API • Secure Web Interface • SNMPv2, SNMPv3
Billing	<ul style="list-style-type: none"> • CDR record generation • CDR SFTP push to customer billing systems • Rx Interface Support • Rf Interface Support
Lawful Intercept	Refer to Lawful Intercept for additional information.
Redundancy	<ul style="list-style-type: none"> • Port Redundancy / Geographical Redundancy (Refer to SBC Core Redundancy, SBC SWe Cloud Port Redundancy and Link Detection) • N:1 Redundancy (Refer to SBC SWe Cloud Architecture for this SBC SWe Cloud feature)
Network Licensing	Supported by SBC SWe Cloud only in this release. (Refer to SBC Network Licenses for Cloud Deployments)

