

# Enterprise SBC



## Medium to Large Business SBC

Enterprise SBCs (eSBC) sit at the edge of your company’s network and do the heavy lifting for VoIP phone calls that your firewall isn’t designed to do. Hide important voice network information, protect your company network from malicious attacks—that can cause your telephone bill to skyrocket or become susceptible for hackers to breach your system and take down the network.

Sangoma session border controllers offer affordable protection for small businesses that most integrators can configure and provision easily.

### High Availability

Ensure business continuity with our High availability (HA) feature, allowing mirroring of your main SBC with a standby SBC ready to automatically take over calls in case of failure. This feature is included free of charge!

### Protection from Enterprise Security Threats

#### Denial of Services

- » Call / registration overload
- » Malformed messages (fuzzing)

#### Theft of Service / Fraud

- » Unauthorized users
- » Unauthorized media types

#### Configuration Errors

- » Mis-configured devices
- » Operator and application errors

#### BYOD

- » Smartphones running unauthorized apps
- » Viruses and malware attacking your VoIP network

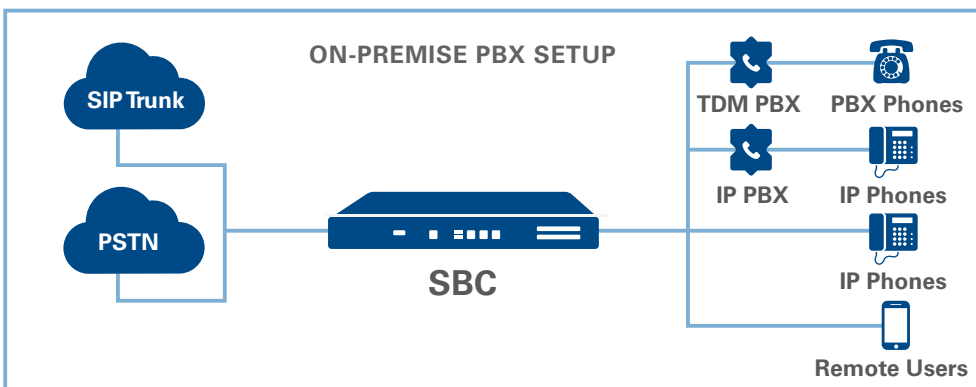
### Use Cases

#### Service Provider Applications

- » SIP trunking
- » Remote worker
- » Hosted PBX
- » Core session router and load balancer

## Quick Facts

- » Supports 25 - 250 Simultaneous Calls
- » Field Upgradeable Session Expansion
- » All-in-one Appliance for SIP & TDM Connections
- » Cost-effective Session-based Licensing
- » Enterprise Inter-site Networking & SIP Trunking
- » Local Security Management for SMBs & Small Enterprises
- » Optional Annual Support & Software Maintenance Plans



### Capacities:

- » Max. 250 calls / sessions
- » Max. 120 TDM-SIP calls / sessions
- » Full transcoding capability
- » Full security (SRTP / TLS) capability
- » Unlimited SIP trunks

### Media Capabilities:

- » Voice, Video, FAX, IM and Presence support
- » Full RTP transcoding (G.711, G.722, G.729, G.726, G.723.1, iLBC, AMR, G.722.1) \*Only with hardware transcoding option
- » T.38 Fax Relay \*Only with hardware transcoding option

### Networking:

- » 3x 10/100/1000 BaseT Ethernet ports
- » IPv4, IPv6
- » VLAN support
- » 1x console port
- » 1x VGA port

### Licensing:

- » Only max. number of calls are licensed
- » Field upgradeable in 25/50/150 call increments

### Security:

- » DDoS / DoS attack protection
- » Call security with TLS / SRTP
- » Media security with SRTP
- » IPSec encryption
- » IP firewall with port forwarding
- » Two-stage authentication

### High Availability / Redundancy:

- » 1:1 active / standby two-box redundancy for business continuity

### Call Control:

- » Advanced XML routing engine
- » Least cost routing
- » Rate limiting: Call and registration
- » Endpoint authentication
- » Media bandwidth policy
- » Intelligent media anchoring / release

### VoIP:

- » SIP 2.0 compliant
- » SIP trunking and remote working
- » SIP intrusion prevention
- » SIP registration scan attack detection
- » SIP request rate limiting
- » SIP registration pass-thru
- » SIP header normalization
- » SIP malformed packet protection
- » Advanced NAT traversal capabilities
- » Topology hiding
- » ENUM routing

### Session and Monitoring:

- » Multiple session routing options
- » RTCP statistics reports
- » QoS (ToS or DSCP)
- » RADIUS CDR and authentication
- » QoS monitoring and reporting

### Debugging:

- » Dedicated Browser interface for capturing full RTP media and signaling information
- » Onboard browser-based PCAP tracing, signaling and media – wireshark compatible
- » Large onboard storage capacity for long term tracing

### Management:

- » Easy to use web interface
- » HTTP XML-based CDR
- » Real-time monitoring and debugging
- » TR-069 for remote provisioning
- » REST based interface to remotely configure SBCs

### Telephony Interface:

- » Up to 4 E1/T1s (with A101DE/A102DE/A104DE card)
- » Echo cancellation up to 128ms tail
- » Primary rate ISDN, configurable NT/TE
- » T1: Q.931, NI2, 4ESS, 5ESS, DMS-100
- » E1: Q.931, ETSI

### Hardware Specifications:

- » Power: 60W universal internal power supply
- » Dimensions: 430mm (W) x 305mm (D) x 45mm (H)
- » Weight: 7.25kgs (16lbs)
- » Mounting clips included

## About Sangoma

Sangoma Technologies is a trusted leader in value-based Unified Communications solutions for SMBs, enterprises, OEMs, carriers, and service providers. Sangoma is the primary developer and sponsor of the Asterisk and FreePBX projects and offers Voice over IP systems which enable businesses to achieve enhanced levels of collaboration, productivity, and ROI.

## Become a Sangoma Partner

Provide your customers with outstanding VoIP and Unified Communications quality products that deliver industry-leading value. As a Sangoma Partner, you'll get the help you need to grow your business and the incentives you want to make it easy to win sales. Discover more at: [Sangoma.com/partner-program](http://Sangoma.com/partner-program)