SMB SBC

Small to Medium Business SBC

Small to Medium Business SBCs (SMB SBC) 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 business 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
» Migration of legacy TDM to SIP trunking for cost savings
» Provide secure connectivity for remote workers

» Provide secure access to hosted PBX
» 'Smart Edge' device for service provider or carrier
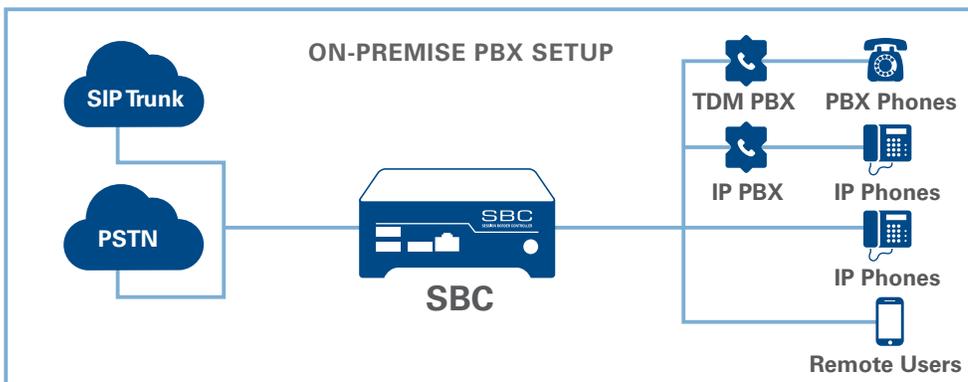
Quick Facts

» Supports 5 - 30 Simultaneous Calls

» Migrate to SIP Trunking or Hosted PBX Securely

» Empower Remote Workers

» Interoperates with All Major IP PBXs & UC Systems

» DoS / DDoS Attack Protection

» Network Interconnect Point for SIP Trunking

» Topology Hiding for Fraud Protection

» Optional Annual Support & Software Maintenance Plans

ON-PREMISE PBX SETUP

SIP Trunk

PSTN

SBC

TDM PBX   PBX Phones

IP PBX   IP Phones

IP Phones

Remote Users

Capacities:

» Max. 30 calls / sessions
» Full security (SRTP / TLS) capability
» Unlimited SIP trunks

Media Capabilities:

» Voice, Video, FAX, IM and Presence support
» G.711 ulaw / alaw

Networking:

» 4x 10/100/1000 BaseT Ethernet ports
» IPV4, IPV6
» VLAN support
» 1x serial console port
» 1x VGA port
» 3x USB ports

Licensing:

» Only max. number of calls are licensed
» Field upgradeable in 5/10 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
» Dynamic load balancing and call routing
» Multiple call access control options
» 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

Hardware Specifications:

» 4x GB Ethernet ports
» 3x USB ports
» 1x serial console (RJ45)
» 1x VGA port
» Unit dimensions
  › 127mm (W) x 127mm (D) x 50mm (H)
» Unit weight
  › .68kgs (1.5lbs)
» External universal AC/DC power brick
» Wall mount bracket 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

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