NetBorder Carrier SBC

The Ideal SBC for Large Businesses

Sangoma's NetBorder SBC is designed for large enterprises, call centers, carriers and service providers that: want deliver scalable SIP trunking and PSTN services to clients, need to support SIP network peering arrangements, require comprehensive management and reporting functionality or integration with existing OSS and BSS environments.

A complete solution, the NetBorder SBC is easy to deploy and manage and delivers carrier-class security and reliability.

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 250 - 4,000 Simultaneous Calls

» Field Upgradeable Session Expansion

» Browser-based GUI for Easy Configuration

» Cost-effective Session-based Licensing

» Session-based Licensing – No Hidden Fees

» PSTN Equivalency for SIP Trunking Deployments

» RAID-1 Solid State Drives

» Hardware-based Transcoding & Media Handling

» Optional Annual Support & Software Maintenance Plans
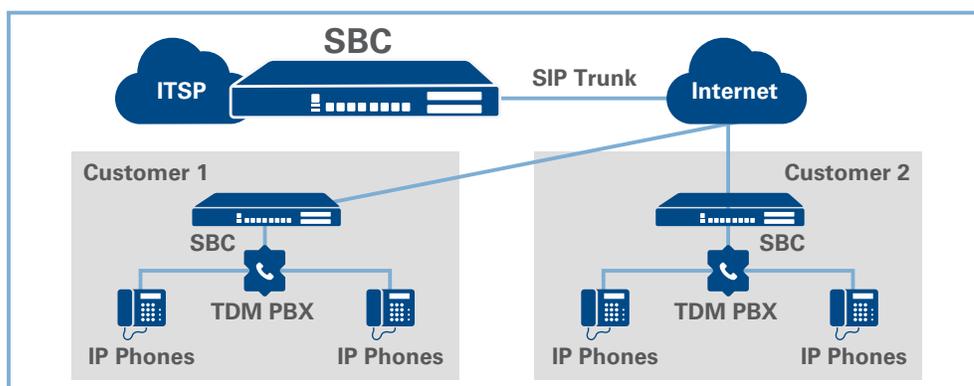
Capacities:

» Max. 4,000 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:

» 6x 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 250/500/1000/2000 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: Dual internal 100~240V power supply
» Dimensions: 430mm (W) x 520mm (D) x 44.5mm (H)
» Weight: 6.35kgs (14lbs)
» 19 inch rackmount brackets 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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