NetBorder™ SBC

Carrier Appliance

WHAT IS SESSION BORDER CONTROL

IP communications across multiple, sometimes untrusted, networks needs to be normalized, managed and secured. Guaranteed interoperability of multiple devices, networks, and protocols must be accomplished in a manner that is transparent to the user. Session border controllers take care of the conversion between protocols, transcoding, threat prevention, resource limiting, and accounting at the edge of VoIP networks of enterprises and carriers alike.

APPLICATIONS

☑ **SIP Trunking**

☑ **Carrier Interconnect**

☑ **SIP Network Peering**

☑ **Core Session Router and Load Balancer**

BENEFITS

☑ **Network Security**

☑ **Quality of Service/ Quality of Experience**

☑ **Connectivity**

☑ **Protocol Normalization**

☑ **Media Services**

☑ **Statistics and Billing**

☑ **Regulatory Compliance**

The most cost-effective, easiest to provision, and easiest to manage line of Session Border Controllers on the market. Sangoma's NetBorder Carrier SBC provides full-featured, carrier-class security and interconnection at the edge of carrier networks.

HIGHLIGHTS:

» Scalability from 250–4,000 Sessions
  - Field Upgradeable Session Expansion

» Browser-based GUI for Easy Configuration

» Traffic Visualization Tools

» Session-based Licensing
  - No Hidden Fees

» PSTN Equivalency for SIP Trunking Deployments

» Protect VoIP Assets from Security Threats Posed by Migration to SIP Trunking

» Available AC or DC Redundant Power Supply

» RAID-1 Solid State Drive

» Hardware-based Transcoding and Media Handling

NetBorder Carrier SBC
1U Appliance

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PRODUCT FEATURES

VoIP

- SIP Trunking and Remote Working
- SIP Intrusion Prevention
- SIP Registration Scan Attack Detection
- SIP Request Rate Limiting
- SIP Friendly Load Limitation
- SIP Registration Pass-thru
- SIP Header Normalization
- SIP Malformed Packet Protection
- Advanced NAT Traversal Capabilities
- Topology Hiding
- ENUM Routing

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)
- T.38 Fax Relay

Session and Monitoring

- Multiple Session Routing Options
- RTCP Statistics Reports
- QoS (ToS or DSCP)
- RADIUS CDR and Authentication
- QoS Monitoring and Reporting

Security

- DDoS/DoS Attack Protection
- Call Security with TLS/SRTP
- Media Security with SRTP
- IPSec Encryption
- IP Firewall

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/Releasing

Management

- Easy to use Web Interface
- HTTP XML-based CDR
- Real-time Monitoring and Debugging

Support and Professional Services

- Sangoma engineers are here to support your success. Whether you need technical support or software maintenance, training, consultation or installation services, Sangoma can help you. Contact your Sales representative for more information.

Warranty

- Standard 12-month warranty is included. Additional warranty services are available, contact your Sales representative for more information.

Feature/Function	NetBorder SBC
HDD	2x 32GB SSD RAID
Power	250W
Rack Mount	✓
Ethernet	4x GigE
Hardware Assisted RTP	✓
Session Capacity	4,000
Field Upgradeable	✓
Hardware Ready for Upgrade to Capacity	✓

ORDERING

SKU	Item
SBCT-CAR-0250-<PSU>	NetBorder SBC 1U Appliance with 250 Sessions/Calls
SBCT-CAR-0500-<PSU>	NetBorder SBC 1U Appliance with 500 Sessions/Calls
SBCT-CAR-1000-<PSU>	NetBorder SBC 1U Appliance with 1,000 Sessions/Calls
SBCT-CAR-2000-<PSU>	NetBorder SBC 1U Appliance with 2,000 Sessions/Calls
SBCT-CAR-4000-<PSU>	NetBorder SBC 1U Appliance with 4,000 Sessions/Calls

Cables, if required, are included at no additional charge.

PSU Code	Description
DA1	Single AC PSU (Up to 500 sessions only)
DA2	Dual Redundant AC PSU
DD2	Dual Redundant DC PSU

In an effort to continuously improve our products, Sangoma reserves the right to modify features, design or specifications at any time without prior notice or obligation.

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