Sangoma SBC Netborder 2K 500 Calls 1U Dual DC P/S

Product Name: Sangoma SBC Netborder 2K 500 Calls 1U Dual DC P/S
Manufacturer: Sangoma
Model Number: SBCT-CAR-0500-DD1

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The Sangoma Netboarder SBCT-CAR-0500-DD1 is part of Sangoma’s Vega and NetBorder SBC product line. This line is designed to provide SMBs, enterprises, carriers and service providers with high performance, highly secure, scalable and cost-effective solutions. Sangoma SBCs allow VoIP calls to pass through the firewall, route VoIP traffic properly across the network and enhance network security.
This Sangoma Netborder SBC comes with 500 call path license and software upgradeable to 2000 call paths. Comes in a 1U form factor with a Dual DC power supply. 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.
 Sangoma’s Vega and NetBorder SBC range Key Features

ï¿½ Supports 5 - 4,000 Simultaneous Calls
ï¿½ Field Upgradeable Session Expansion
ï¿½ Browser-based GUI for Easy Configuration
ï¿½ Session-based Licensing - No Hidden Fees
ï¿½ Enterprise Inter-site Networking & SIP Trunking
ï¿½ Local Security Management for SMBs
ï¿½ Hardware-based Transcoding & Media Handling
ï¿½ Optional Annual Support & Software Maintenance Plans

Tailored for your business needs
All Sangoma SBCs feature field upgradable, session-based licensing as well as hardware-based transcoding and media handling (Excludes Vega SMB). Support for a broad range of SIP trunking topologies and integration with Skype for Business and Microsoft Lync environments, the Vega series includes comprehensive security configuration and a full suite of GUI-based tools and APIs for deployment, management, reporting and troubleshooting.
 Sangoma’s Vega and NetBorder SBC range Technical Specification
Capacities

ï¿½ Max call / sessions: 4000 - NetBorder Carrier, 4000 - VM SBC, 250 - Vega Enterprise, 30 - SMB SBC
ï¿½ Unlimited SIP trunks
ï¿½ Max. 120 TDM-SIP calls/sessions *Applicable only to Vega Enterprise
ï¿½ Full security (SRTP/TLS)
ï¿½ Full transcoding capability (Excludes SMB SBC)

Media Capabilities

ï¿½ Voice, Video, FAX, IM and Presence support
ï¿½ Full RTP transcoding (G.711, G.722, G.729, G.726, G.723.1, iLBC, AMR, G.722.1) *Only with hardware transcoding option
ï¿½ T.38 Fax Relay *Only with hardware transcoding option

Networking

ï¿½ 10/100/1000 BaseT Ethernet ports
ï¿½ 7x - NetBorder Carrier
ï¿½ 3x - Vega Enterprise

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ï¿½ 4x - SMB SBC
ï¿½ IPV4, IPV6
ï¿½ VLAN support
ï¿½ 1x IPMI port *Applicable only to NetBorder Carrier SBC appliance

Licensing

ï¿½ Field upgradeable in 5/10 call increments (SMB)
ï¿½ Field upgradeable in 25/50/100/250 call increments

Security

ï¿½ DDoS / DoS attack protection
ï¿½ Media security with SRTP
ï¿½ IPSec encryption
ï¿½ IP firewall with port forwarding
ï¿½ Call security with TLS/SRTP
ï¿½ Two-stage authentication

VoIP

ï¿½ SIP 2.0 compliant
ï¿½ SIP intrusion prevention
ï¿½ SIP trunking and remote working
ï¿½ SIP registration pass-thru
ï¿½ SIP malformed packet protection
ï¿½ Topology hiding
ï¿½ ENUM routing
ï¿½ SIP request rate limiting
ï¿½ SIP registration scan attack detection
ï¿½ SIP friendly load limitation
ï¿½ SIP header normalisation
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Debugging

ï¿½ Dedicated Browser interface for capturing full RTP media and signaling information
ï¿½ Onboard browser-based PCAP tracing, signalling and media – Wireshark compatible
ï¿½ Large onboard storage capacity for long-term tracing

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Session and monitoring

ï¿½ Multiple session routing options
ï¿½ RTCP statistics reports
ï¿½ QoS (ToS or DSCP)
ï¿½ RADIUS CDR and authentication
ï¿½ QoS monitoring and reporting

High Availability / Redundancy:

ï¿½ 1:1 active/standby two-box redundancy to guarantee business continuity

Call control

ï¿½ Least cost routing
ï¿½ Multiple call access control options
ï¿½ Rate limiting: Call and registration
ï¿½ Endpoint authentication
ï¿½ Dynamic load balancing and call routing
ï¿½ Advanced XML routing engine
ï¿½ Intelligent media anchoring/release
ï¿½ Media bandwidth policy

Management

ï¿½ Easy to use web interface
ï¿½ Real-time monitoring and debugging
ï¿½ HTTP XML-based CDR
ï¿½ TR-069 for remote provisioning
ï¿½ REST-based interface to remotely con gure SBCs

Telephony Interface

ï¿½ *Applicable only to Vega Enterprise
ï¿½ Up to 4 E1/ T1s (with A101DE/A102DE/A104DE card)
ï¿½ Echo cancellation up to 128ms tail
ï¿½ Primary rate ISDN, configurable NT/TE
ï¿½ T1: Q.931, NI2, 4ESS, 5ESS, DMS-100
ï¿½ E1: Q.931, ETSI

Hardware and minimum requirements

ï¿½ SMB SBC:

ï¿½ Power: External universal AC/DC power brick
ï¿½ Dimensions: 127mm (W) x 127mm (D) x 50mm (H)
ï¿½ Weight: .68kgs (1.5lbs)

ï¿½ Vega Enterprise:

ï¿½ Power: 60W universal internal power supply
ï¿½ Dimensions: 430mm (W) x 305mm (D) x 45mm (H)
ï¿½ Weight: 7.25kgs (16lbs)
ï¿½ Mounting clips included

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ï¿½ Netborder Carrier:

ï¿½ Power: Internal AC: 300W, dual, modular universal power supplies
ï¿½ Dimensions: 430mm (W) x 470mm (D) x 45mm (H)
ï¿½ Weight: 15kgs (33lbs)
ï¿½ 19 inch rackmount brackets included

ï¿½ VM SBC:

ï¿½ Hypervisor: VMware, ESX, Linux KVM, Microsoft Hyper-V, Oracle Virtualbox
ï¿½ Virtual Network Interfaces: minimum 1 (2 preferred)
ï¿½ Virtual Cores: 1-4
ï¿½ Memory: 2GB
ï¿½ Disk Space: 20 GB

Price: £15,676.50