Product Name: Sangoma Vega 400 SBC: Session Border Controller - 48 Call sessions (VEGA-VS0156-048)

Manufacturer: Sangoma
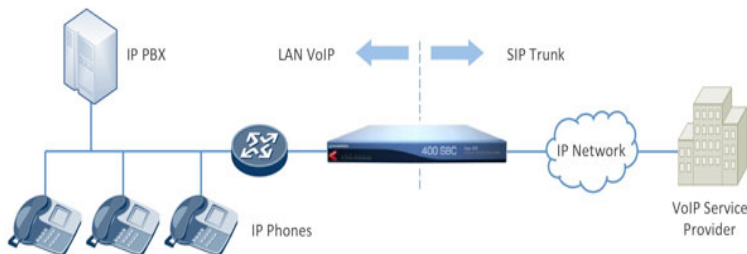
Model Number: VS0156-048

Sangoma Vega 400 SBC: Session Border Controller - 48 Call Sessions (VEGA-VS0156-048)

Please Note: The   Sangoma Vega 400 SBC 48 Call has been discontinued. For an alternative, we recommend the Sangoma Vega SBC 100 Call .

The Sangoma Vega 400 SBC: Session Border Controller - 48 Calls Sessions allows service providers and enterprises to deploy SIP trunking and other SIP services, safe in the knowledge that there will be no interoperability issues.

Sangoma Vega 400 SBC 48 Calls Features

• Interoperability with a Wide Range of Legacy VoIP/SIP/IP Equipment
• 48 Call Sessions
• Header Manipulation
• Topology Hiding
• VoIP Security
• Transcoding on All Sessions
• Voice, FAX, and Modem Support

Security

Using SIP access control, the Vega 400 SBC 48 sessions will protect the network from fraudulent calls and SPIT. SIP over TLS for protecting call signalling and SRTP for encrypting speech are both supported.

Configuration

To ease deployment in the most common scenarios Quick Config is an overlay on the existing configuration and allows configuration on 3 simple webUI screens.

Routing

Calls can be load balanced across multiple SIP endpoints. Other media processing tasks such as DTMF transport interworking, FAX detection and volume changes are also supported.

Media

Transcoding between any supported codec is possible, as well as transrating between different packet times. Other media processing tasks such as DTMF transport interworking, FAX detection and volume changes are also supported.

Dedicated Hardware

Our SBC has dedicated DSP resource that allows scalability for simultaneous voice calls from 48 sessions.

Technical Specification
VoIP

• SIP
• Audio codecs:

• G.711 (a-law/µ-law) (64 kbps)
• G.729a (8 kbps)
• G.723.1 (5.3/6.4 kbps)

• FAX Support – up to G3 FAX, using T.38
• Modem Support – up to V.90, using G.711
• Transcoding
• Transrating
• DTMF – INFO, RFC2833, In-Band

Identification

• SIP Registration & Digest Authentication
• Local Registration Termination
• Remote Registration
• SIP Registration to Multiple Proxies

Operations, Maintenance & Billing

• HTTP(S) web server
• RADIUS Accounting & Login
• Remote firmware upgrade:

• Auto code upgrade
• Auto configuration upgrade

• SNMP V1, V2 & V3
• Syslog
• TFTP/FTP support
• VT100 – RS232/Telnet/SSH

Routing & Numbering

• Dial Planner – sophisticated call routing capabilities, least cost routing and call
characteristic routing options
• Fallback in case of failures
• NAT traversal

Security & Encryption

• Call Access Control
• Load Balancing
• Media – SRTP (optional)
• SIP – TLS (optional)
• Management – HTTPS, SSH Telnet

• Configurable user login passwords

Call Quality

• Adaptive jitter removal
• Comfort noise generation
• Silence suppression
• 802.1p/Q VLAN tagging
• Differentiated Services (DiffServ)
• Type of Service (ToS)
• QoS statistics reporting
• Echo cancellation (G.168 up to 128ms)

Support and Professional Services
Sangoma engineers are here to support your success. Whether you need technical support and softwaremaintenance, training, consultation and installation services, Sangoma can help you. Contact your Sales representative for more information.

Please Enquire