

Sangoma Vega 100G Single E1/T1 Digital Gateway VS0164



Product Name: Sangoma Vega 100G Single E1/T1 Digital Gateway VS0164

Manufacturer: Sangoma

Model Number: VEGA-100-030KIT

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The Sangoma Vega 100G VoIP gateway connects digital telephony equipment to IP networks. Each unit purchased is factory onfigured with capacity for 30 simultaneous calls. This unit cannot be expanded beyond 30 simultaneous calls.

Sangoma Vega 100G Key Features

- ETSI, VN4, ISDN
- NI1, NI2, AT&T 5ESS, DMS100
- ISO QSIG Basic Call & QSIG feature transparency
- Channel Associated Signalling (CAS)
- R2 MFC

The available Sangoma Resiliency Enablement Suite (SRES) makes the Vega 100G the most resilient gateway in its class. In the event of a WAN failure, IP phones behind the Vega gateway can continue to call each other, be routed to a backup switch or connected directly to the PSTN. In addition, the use of the Sangoma Network Appliance Provisioning (SNAP) tool makes the VS0164 the easiest to provision gateway on the market.

Sangoma Vega 100G - Technical Specifications

VoIP Interfaces (SIP)

- Audio codecs: • G.711 (a-law/μ-law) (64 kbps) • G.729a (8kbps) • G.723.1 (5.3/6.4 kbps) • G.726
- FAX Support – up to G3 FAX, using T.38
- Modem Support – up to V.90, using G.711
- Up to 30 VoIP channels

Telephony Interfaces

- Primary Rate ISDN (User configurable NT/TE):
- E1 • Euro-ISDN • ISO QSIG • VN4 • CAS R2MFC
- T1 • NI1/NI2 • AT&T 5ESS • DMS100 • CAS (RBS) • ISO QSIG

LAN Interfaces

- 2 RJ-45s, 1000BaseT / 100 BaseTX / 10 BaseT, full / half duplex

Identification

- Caller ID presentation
- Caller ID screening allows connections to be accepted only from selected call sources
- SIP Registration & Digest Authentication

Operations, Maintenance and Billing

- HTTP(S) web server
- RADIUS Accounting & Login
- Remote firmware upgrade: • Auto code upgrade • Auto configuration upgrade
- SNMP V1, V2 & V3
- TFTP/FTP support
- VT100 – RS232/Telnet/SSH

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Routing and Numbering

- Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
- Direct Dialing In (DDI)
- SIP registration to multiple proxies
- NAT traversal

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)

Security and Encryption

- Management – HTTPS, SSH Telnet
- Configurable user login passwords
- SIP/TLS and SRTP

Certification

- EMC (CLASS B) SAFETY TELECOMS (ISDN) EN55022 EN55024 FCC Part 15 AS/NZS3548 EN60950 IEC60950 UL60950 AS/NZS60950 E1: TBR4 T1: FCC Part 68 T1: CS-03 VCCI

Environmental

- 0° .. 40°C
- 0% .. 90% humidity (non-condensing)

Indicators (LED)

- Power
- ISDN: NT/TE & Link up
- LAN: speed / activity

Dimensions

- 270mm(W) x 155mm(D) x 43mm(H)
- Weight: 1.2kgs
- Rackmount ears supplied: 107mm (2-pieces)

External Power Supply

- 100..240 VAC, 47..63 Hz, 1..0.5 A

Program Storage

- Code and configuration data are stored in FLASH and executed from RAM

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Price: £1,108.30

Options available for Sangoma Vega 100G Single E1/T1 Digital Gateway VS0164 :

Peace of Mind Packages

[Gold](#), [Not Required](#), [Platinum](#), [Silver](#), [Advanced Hardware Replacement](#).