

Sangoma Vega 400 1 T1/E1 (30 channels) VEGA-VS0111-030



Product Name: Sangoma Vega 400 1 T1/E1 (30 channels) VEGA-VS0111-030

Manufacturer: -

Model Number: VEGA-VS0111-030

Please Note: The Sangoma Vega 400 1 T1/E1 VEGA-VS0111-030 has been discontinued. Please see the replacement product the Sangoma Vega 400G, 4 T1/E1, failover, 30 VoIP channels.

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The Sangoma Vega 400 30 Channel VoIP media gateway connects digital telephony equipment to IP networks.

The Sangoma Vega 400 media gateways are supplied with four E1/T1 interfaces which are always fully available regardless of the license which has been purchased.

The unit is purchased pre– licensed to suit the initial requirements of the customer for the quantity of concurrent VoIP calls desired through to 30 VoIP channels. Future expansion is easily achieved in the field & provisioned by means of further licenses and expansion modules.

Each E1/T1 interface can be independently configured as network side or terminal side. The Vega 400 gateway can therefore be connected to a PBX & pSTN simultaneously. This configuration provides:

ī¿½ No disruption to the configuration of existing equipment

12.1/2 Flexibility & Samp; choice for call routing

Service Provider Applications:

� Customer premises gateway for SIP trunking

� Low-density PSTN gateway

� Survivability for IP phones

Enterprise Applications:

ï¿⅓ Enterprise VoIP networking

� PSTN trunking for IP-PBXs

ï¿1/2 Enterprise IP telephony gateway

Enhanced Network Proxy (ENP) (Optional)

This option enables continuity of service during WAN/SIP outage and may be configured to operate in a number of ways including:

ï¿1/2 Standalone proxy

ï¿1/2 IP device survivability

� IP device call routing

� Emergency call routing

ï¿⅓ SIP to SIP call routing

Open, Non– Proprietary Interfaces

The Vega 400 gateway supports the following signalling schemes:

� ETSI ISDN

ï¿1/2 NI1, NI2, AT&T 5ESS, DMS100

� ISO QSIG Basic Call & Call & feature transparency

� Channel Associated Signalling (CAS)



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All VegaStream gateways can support SIP, H.323 & Dr. T.38 FAX. The Vega 400 gateway has proven interoperability with a wide range of existing telecommunications & Dr. VolP equipment.

Sangoma Vega 400 1 T1/E1 (30 channels) VEGA-VS0111-030 Technical Specification VolP Interfaces

SIP يرزز

ï¿⅓ H.323 version 4

ï¿⅓ Audio codecs:

ï¿1/2 G.711 (a-law/µ-law) (64 kbps)

ï¿⅓ G.729a (8 kbps)

� G.723.1 (5.3/6.4 kbps)

� Clearmode

ï¿⅓ GSM (Optional)

า๊¿½ FAX Support – up to G3 FAX, using T.38

า๊¿½ Modem Support – up to V.90, using G.711

ï¿1/2 Up to 30 VoIP channels

Telephony Interfaces

Primary Rate ISDN (User configurable NT/TE):

4 x E1

� Euro–ISDN

� ISO QSIG

۱۶½ VN4 مرنزï

� QSIG Feature Transparency (H.323)

ï¿⅓ CAS R2MFC

4 x T1

ï¿⅓ NI1/NI2

AT&T 5ESS

۱۵% DMS100 رُزيٰ Ti

� CAS (RBS)

ïز½ E&M wink start

� Loop start

ï¿⅓ Ground start

ï¿⅓ ISO QSIG

� QSIG Feature Transparency (H.323)

า๊¿½ 4 x Bypass relays terminating onto 4 x RJ45 for resiliency

LAN Interfaces

าั¿½ 2 RJ–45s, 10 BaseT/100 BaseTX, full/half duplex

Identification



� Caller ID presentation

าั¿½ Caller ID screening allows connections to be accepted only from selected call sources

า๊¿½ SIP Registration & Digest Authentication

ï¿⅓ H.323 gatekeeper registration

Operations, Maintenance & Dilling

ï¿⅓ HTTP(S) web server

ï¿1/2 RADIUS Accounting & amp; Login

� Remote firmware upgrade:

ï¿1/2 Auto code upgrade

� Auto configuration upgrade

ï¿1/2 SNMP V1, V2 & amp; V3

� TFTP/FTP support

ï¿1/2 VT100 – RS232/Telnet/SSH

Routing & amp; Numbering

าั¿½ Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration

� Direct Dialing In (DDI)

آذِ 1/2 SIP registration to multiple proxies

ï¿⅓ NAT traversal

Security & amp; Encryption

� Media – SRTP (optional)

ï¿1/2 SIP – TLS (optional)

تز½ Management – HTTPS, SSH Telnet

� Configurable user login passwords

� Enhanced Network Proxy (ENP) (optional)

Call Quality

ïز½ Adaptive jitter removal

� Comfort noise generation

ï¿⅓ Silence suppression

ï¿1/2 802.1p/Q VLAN tagging

� Differentiated Services (DiffServ)

� Type of Service (ToS)

� QoS statistics reporting

� Echo cancellation (G.168 up to 128ms)

Certification

EMC (ClassB)

� EN55022

ï¿1/2 EN55024

73½ FCC Part 15 آز

ï¿1/2 AS/NZS3548

ï¿⅓ VCCI



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Safety

� EN60950 � IEC60950 � UL60950 � AS/NZS60950

Telecoms (ISDN)

� E1: TBR4 � T1: FCC Part 68 � T1: CS-03

Environmental

� 0° .. 40°C

� 0% .. 90% humidity (non-condensing)

Indicators

LED:

ï¿⅓ Power

ï¿⅓ ISDN: NT/TE & Link up

ï¿1/2 LAN: Speed, Activity

Physical Dimensions

آذاً 437mm (17.2") x 43mm (1.7") x 275mm (10.8") width/height/depth

ï¿⅓ Weight: 6.5kgs

� Rackmount: brackets supplied 483mm (19") 1U

Power

� 100..240 VAC, 47..63 Hz, 1..0.5 A � -48V DC also available, 1.2A (Max)

Program Storage

ī¿1/2 Code & amp; configuration data are stored in FLASH & amp; executed from RAM.

Please Enquire