

Sangoma Vega 400 Basic unit with 8 channels VS0111



Product Name: Sangoma Vega 400 Basic unit with 8 channels VS0111

Manufacturer: -

Model Number: VS0111

Please Note: The Sangoma Vega 400 VS0111 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 Basic unit VoIP media gateway connects digital telephony equipment to IP networks.

The Sangoma Vega 400 VS0111 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 8 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 & STN simultaneously. This configuration provides:

� No disruption to the configuration of existing equipment

า๊¿½ Flexibility & mp; choice for call routing

Service Provider Applications:

17.1/2 Customer premises gateway for SIP trunking

� Low-density PSTN gateway

ï¿1/2 Survivability for IP phones

Enterprise Applications:

� Enterprise VoIP networking

ï¿1/2 PSTN trunking for IP-PBXs

� 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¿⅓ Standalone proxy

� IP device survivability

� IP device call routing

� Emergency call routing

ï¿1/2 SIP to SIP call routing

Open, Non– Proprietary Interfaces

The Vega 400 gateway supports the following signalling schemes:

ï¿⅓ ETSI ISDN

� NI1, NI2, AT&T 5ESS, DMS100

آذِا ISO QSIG Basic Call & Page 18 feature transparency

i¿½ Channel Associated Signalling (CAS)



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SIP ½'S

ï¿1/2 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)

آزار FAX Support – up to G3 FAX, using T.38

ï¿1/2 Modem Support – up to V.90, using G.711

� Up to 8 VoIP channels

Telephony Interfaces

Primary Rate ISDN (User configurable NT/TE):

4 x E1

� Euro–ISDN

آذِ½ ISO QSIG

۲.5½ VN4 ي′زة

� QSIG Feature Transparency (H.323)

ï¿⅓ CAS R2MFC

4 x T1

12½ NI1/NI2 ½ آغ

ï¿⅓ AT&T 5ESS

� DMS100

ï¿⅓ CAS (RBS)

� E&M wink start

� Loop start

آز½ Ground start

آذِ½ ISO QSIG

i¿½ QSIG Feature Transparency (H.323)

� 4 x Bypass relays terminating onto 4 x RJ45 for resiliency

LAN Interfaces

تزار 2 RJ–45s, 10 BaseT/100 BaseTX, full/half duplex

Identification



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- � Caller ID presentation
- ī¿½ Caller ID screening allows connections to be accepted only from selected call sources
- تزر SIP Registration & Digest Authentication
- ï¿1/2 H.323 gatekeeper registration

Operations, Maintenance & Dilling

- � 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)
- ï¿1/2 SIP registration to multiple proxies
- آز % NAT traversal

Security & amp; Encryption

- ï¿1/2 Media SRTP (optional)
- ï¿1/2 SIP TLS (optional)
- تز1/2 Management HTTPS, SSH Telnet
- � Configurable user login passwords
- � Enhanced Network Proxy (ENP) (optional)

Call Quality

- ï¿1/2 Adaptive jitter removal
- � Comfort noise generation
- � Silence suppression
- ï¿1/2 802.1p/Q VLAN tagging
- � Differentiated Services (DiffServ)
- � Type of Service (ToS)
- ï¿1/2 QoS statistics reporting
- i¿½ Echo cancellation (G.168 up to 128ms)

Certification

EMC (ClassB)

- � EN55022
- � EN55024
- ï¿1/2 FCC Part 15
- � AS/NZS3548
- � VCCI



Safety

� EN60950 � IEC60950 ï¿⅓ UL60950 � AS/NZS60950

Telecoms (ISDN)

تز½ E1: TBR4 ï¿1/2 T1: FCC Part 68 ï¿⅓ T1: CS-03

Environmental

� 0° .. 40°C

آزٰ½ 0% .. 90% humidity (non-condensing)

Indicators LED:

� Power

� ISDN: NT/TE & amp; Link up

ï¿1/2 LAN: Speed, Activity

Physical Dimensions

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

تز1/2 Weight: 6.5kgs

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

Power

ϊ¿½ 100..240 VAC, 47..63 Hz, 1..0.5 A ï¿1/2 -48V DC also available, 1.2A (Max)

Program Storage

آذًا 2 Code & C

Please Enquire