Sangoma Vega 400 2 T1/E1 (60 channels) VEGA-VS0111-060

Product Name: Sangoma Vega 400 2 T1/E1 (60 channels) VEGA-VS0111-060
Manufacturer: -
Model Number: VEGA-VS0111-060

Please Note: The Sangoma Vega 400 2 T1/E1 60 has been discontinued. Please see the replacement product the Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels.

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The Sangoma Vega 400 60 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 60 VoIP channels. Future expansion is easily achieved in the field & can be 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 & the PSTN simultaneously. This configuration provides:

ï¿½ No disruption to the configuration of existing equipment
ï¿½ Flexibility & choice for call routing

Service Provider Applications:

ï¿½ Customer premises gateway for SIP trunking
ï¿½ Low-density PSTN gateway
ï¿½ Survivability for IP phones

Enterprise Applications:

ï¿½ Enterprise VoIP networking
ï¿½ PSTN trunking for IP-PBXs
ï¿½ 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¿½ Standalone proxy
ï¿½ IP device survivability
ï¿½ IP device call routing
ï¿½ Emergency call routing
ï¿½ SIP to SIP call routing

Open, Non–Proprietary Interfaces
The Vega 400 gateway supports the following signalling schemes:

ï¿½ ETSI ISDN
ï¿½ NI1, NI2, AT&T 5ESS, DMS100
ï¿½ ISO QSIG Basic Call & QSIG feature transparency
ï¿½ Channel Associated Signalling (CAS)

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All VegaStream gateways can support SIP, H.323 & T.38 FAX.
The Vega 400 gateway has proven interoperability with a wide range of existing telecommunications & VoIP equipment.
Sangoma Vega 400 2 T1/E1 (60 channels) VEGA-VS0111-060 Technical Specification
VoIP Interfaces

ï¿½ SIP
ï¿½ H.323 version 4
ï¿½ Audio codecs:

ï¿½ G.711 (a-law/µ-law) (64 kbps)
ï¿½ G.729a (8 kbps)
ï¿½ G.723.1 (5.3/6.4 kbps)
ï¿½ Clearmode
ï¿½ GSM (Optional)

ï¿½ FAX Support – up to G3 FAX, using T.38
ï¿½ Modem Support – up to V.90, using G.711
ï¿½ Up to 60 VoIP channels

Telephony Interfaces
Primary Rate ISDN (User configurable NT/TE):
4 x E1

ï¿½ Euro–ISDN
ï¿½ ISO QSIG
ï¿½ VN4
ï¿½ QSIG Feature Transparency (H.323)
ï¿½ CAS R2MFC

4 x T1

ï¿½ NI1/NI2
ï¿½ AT&T 5ESS
ï¿½ DMS100
ï¿½ CAS (RBS)

ï¿½ E&M wink start
ï¿½ Loop start
ï¿½ Ground start

ï¿½ ISO QSIG
ï¿½ QSIG Feature Transparency (H.323)

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

LAN Interfaces

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

Identification

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ï¿½ Caller ID presentation
ï¿½ Caller ID screening allows connections to be accepted only from selected call sources
ï¿½ SIP Registration & Digest Authentication
ï¿½ H.323 gatekeeper registration

Operations, Maintenance & Billing

ï¿½ HTTP(S) web server
ï¿½ RADIUS Accounting & Login
ï¿½ Remote firmware upgrade:

ï¿½ Auto code upgrade
ï¿½ Auto configuration upgrade

ï¿½ SNMP V1, V2 & V3
ï¿½ TFTP/FTP support
ï¿½ VT100 – RS232/Telnet/SSH

Routing & Numbering

ï¿½ Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
ï¿½ Direct Dialing In (DDI)
ï¿½ SIP registration to multiple proxies
ï¿½ NAT traversal

Security & Encryption

ï¿½ Media – SRTP (optional)
ï¿½ SIP – TLS (optional)
ï¿½ Management – HTTPS, SSH Telnet
ï¿½ Configurable user login passwords
ï¿½ Enhanced Network Proxy (ENP) (optional)

Call Quality

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

Certification
EMC (ClassB)

ï¿½ EN55022
ï¿½ EN55024
ï¿½ FCC Part 15
ï¿½ AS/NZS3548
ï¿½ VCCI

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Safety

ï¿½ EN60950
ï¿½ IEC60950
ï¿½ UL60950
ï¿½ AS/NZS60950

Telecoms (ISDN)

ï¿½ E1: TBR4
ï¿½ T1: FCC Part 68
ï¿½ T1: CS-03

Environmental

ï¿½ 0° .. 40°C
ï¿½ 0% .. 90% humidity (non-condensing)

Indicators
LED:

ï¿½ Power
ï¿½ ISDN: NT/TE & Link up
ï¿½ LAN: Speed, Activity

Physical Dimensions

ï¿½ 437mm (17.2") x 43mm (1.7") x 275mm (10.8") width/height/depth
ï¿½ Weight: 6.5kgs
ï¿½ Rackmount: brackets supplied 483mm (19") 1U

Power

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

Program Storage

ï¿½ Code & configuration data are stored in FLASH & executed from RAM.

Please Enquire