

Vegastream Vega 400 - 4 x E1 (90 Channels)



Product Name: Vegastream Vega 400 - 4 x E1 (90 Channels)

Manufacturer: Vegastream

Model Number: VS0111-90

Availability: Discontinued Please note that the Vegastream Vega 400 Gateway has been discontinued. We recommend the Sangoma Vegastream Vega 400 as a good alternative.

Vegastream Vega 400 - 4 x E1 (90 Channels)

The Vega 400 digital gateway connects digital telephony equipment to IP networks. All Vega 400 gateways have four E1 / T1 interfaces and can be purchased with various VoIP capacities up to 120 VoIP channels.

The Vega 400 has been designed with future expansion in mind and consists of:

- Base Vega 400 unit with expansion slots

- Field-installable expansion modules to provide additional VoIP channel capacity

A Vega 400 unit can therefore be installed with one VoIP channel capacity and then later additional capacity can be provisioned as and when it is needed.

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 and the PSTN simultaneously. This configuration provides:

- No disruption to the configuration of existing equipment

- Flexibility and choice for call routing

Open, Non-Proprietary Interfaces

The Vega 400 gateway supports the following signaling schemes:

- ETSI ISDN

- NI1, NI2, AT&T 5ESS, DMS100

- ISO QSIG Basic Call and QSIG feature transparency

- Channel Associated Signaling (CAS)

All VegaStream gateways can support SIP, H.323 and T.38 fax.

The Vega 400 gateway has proven interoperability with a wide range of existing telecommunications and VoIP equipment.

Interfaces VoIP Protocols

- SIP

- H.323 version 4

- Audio codecs:

- G.723.1 (5.3/6.4 kbps)

- G.729a (8 kbps)

- G.711 (a-law/μ-law) (64 kbps)

- Fax Support - up to G3 fax, using T.38

- Modem Support - up to V.90, using G.711

- Up to 120 VoIP channels

Telephony Interface Primary Rate ISDN (User configurable NT/TE):

4 x E1

- Euro-ISDN

- ISO QSIG

- QSIG Feature Transparency (H.323)

- CAS R2MFC

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4 x T1

- ½ NI1/NI2
- ½ AT&T 5ESS
- ½ DMS100
- ½ CAS (RBS) - E&M wink start - Loop start - Ground start
- ½ ISO QSIG
- ½ QSIG Feature Transparency (H.323)

LAN Interface

- ½ 2 x 10 BaseT / 100 BaseTX, full or half duplex

Features

Identification

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

Operations, Maintenance and Billing

- ½ HTTP web server
- ½ Radius Accounting
- ½ Remote firmware upgrade:
- ½ Auto code upgrade
- ½ Auto configuration upgrade
- ½ SNMP
- ½ TFTP/FTP support
- ½ VT100 - RS232/Telnet

Routing and Numbering

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

Call Quality

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

Hardware Certification Environmental

Vegastream Vega 400 - 4 x E1 (90 Channels)

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

Indicators LED:

• Power
• ISDN: NT/TE and Link up
• > LAN: Speed, Activity

Physical Dimensions

• 437mm (17.2") x 43mm (1.7") x 275mm (10.8") width/height/depth
• Industrial rackmount: 483mm (19"), 1U
• Weight: 6.5kgs

Power

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

Price: £4,916.00