Vega 200G
Dual E1/T1 Digital Gateway

FEATURES

- ☑ **Fixed Configuration of 60 VoIP Calls**

- ☑ **Supports dual gigabit Ethernet connections**

- ☑ ▸ **EXCLUSIVE**
  Local Survivability

- ☑ **Available SRES and SNAP Support**

- ☑ **Voice, FAX and Modem Support**

- ☑ **Flexible Call Routing for Fallback and Least Cost Routing**

- ☑ **Emergency PSTN Backup**

- ☑ **Interoperability with a Wide Range of Legacy and IP Equipment**

APPLICATIONS

Service Provider:
- » Customer premises gateway for SIP trunking
- » Low-density PSTN gateway
- » Survivability for IP phones

Enterprise:
- » Enterprise VoIP networking
- » PSTN trunking for IP-PBXs
- » Enterprise IP telephony gateway

THE MOST RESILIENT VOIP GATEWAY IN ITS CLASS

The Vega 200 VoIP gateway connects digital telephony equipment to IP networks. Each unit purchased is factory configured with capacity for 60 simultaneous calls. This unit cannot be expanded beyond 60 simultaneous calls.

The available Sangoma Resiliency Enablement Suite (SRES) makes the Vega 200 the most resilient gateway in it is 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 Vega 200 the easiest to provision gateway on the market.

Each E1/T1 interface can be independently configured as network side or terminal side. The Vega 200 gateway can therefore be connected to a PBX or the PSTN. This configuration provides:

- No disruption to the configuration of existing equipment
- Flexibility & choice for call routing

OPEN, NON-PROPRIETARY INTERFACES

The Vega 200 gateway supports the following signalling schemes:

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

All Vega gateways support SIP and T.38 Fax.

The Vega 200 gateway has proven interoperability with a wide range of existing telecommunications and VoIP equipment.

ORDERING INFORMATION

SKU	Item Description
VS0157	Vega 200 – Dual T1/E1 Digital Gateway

SANGOMA
sangoma.com

TECHNICAL SPECIFICATIONS

Interfaces:

VOIP INTERFACES:
SIP

Audio codecs:

- G.711 (a-law/μ-law) (64 kbps)
- G.723.1 (5.3/6.4 kbps)
- G.729a (8kbps)
- G.726

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

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

Up to 60 VoIP channels

TELEPHONY INTERFACES:
Primary Rate ISDN (User configurable NT/TE):

E1
- Euro-ISDN
- VN4
- ISO QSIG
- CAS R2MFC

T1
- NI1/NI2
- CAS (RBS)
- AT&T 5ESS
- ISO QSIG
- DMS100

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

Features:

IDENTIFICATION:
Caller ID presentation

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

SIP Registration & Digest Authentication

OPERATIONS, MAINTENANCE & 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

ROUTING & 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 & ENCRYPTION:
Management – HTTPS, SSH Telnet

Configurable user login passwords

SIP/TLS and SRTP

Hardware:

CERTIFICATION

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