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 its 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

<table>
<thead>
<tr>
<th>SKU</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS0157</td>
<td>Vega 200 – Dual T1/E1 Digital Gateway</td>
</tr>
</tbody>
</table>
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.726
• G.729a (8kbps)
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
• ISO QSIG

T1
• N11/N12
• AT&T SESS
• CAS (RBS)
• 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)
EN55022
EN55024
FCC Part 15
AS/NZS3548

SAFETY
EN60950
IEC60950
UL60950
AS/NZS60950

TELECOMS (ISDN)
EN60950
IEC60950
UL60950
AS/NZS60950

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

Sangoma is continuously improving its products, features, design, therefore, specifications in this data sheet may be modified without prior notice or obligation.