

Vega 100G/200G/400G

Digital Gateway

TECHNICAL SPECIFICATIONS

Interfaces

VoIP Interface:

- » SIP
- » Fax support - up to G3 FAX, using T.38
- » Modem support - up to V.90, using G.711
- » VoIP channel capacity:
Vega100G:30, Vega200G:60,
Vega 400G up to 120
- » Audio Codecs:
 - > G.711 (a-law/ μ -law) (64 kbps)
 - > G.723.1 (5.3/6.4 kbps)
 - > G.729a (8kbps)
 - > G.726
 - > T.38

Telephony Interface:

Primary Rate ISDN (User configurable NT/TE):

- » T1
 - > NI1/NI2
 - > AT&T 5ESS
 - > CAS (RBS)
 - > DMS100
 - > ISO QSIG
 - > CAS Private Wire (*400G)
- » E1
 - > Euro-ISDN
 - > ISO QSIG
 - > VN4
 - > CAS R2MFC
 - > CAS Private Wire (*400G)

LAN Interface:

- » 2x RJ-45, 1000BaseT / 100BaseTx / 10BaseT, 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
- » SNMP V1, V2 & V3
- » TFTP/FTP support
- » TR-069
- » RADIUS accounting & login
- » Remote firmware upgrade
- » VT100 – RS232/Telnet/SSH
- » Auto configuration upgrade

Routing & Numbering:

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

Security & Encryption:

- » Management – HTTPS, SSH Telnet
- » Configurable user login passwords
- » SIP/TLS and SRTP

Call Quality:

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

Redundancy/Survivability:

- » Hardware failover using port bypass (Vega 400G only)
- » Local Survivability - Business Continuity during WAN/SIP outage

Hardware

Certification:

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

Environmental:

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

LED Indicators:

- » Power
- » ISDN: NT/TE & link up
- » LAN: Speed/activity

Dimensions:

- » Vega 100G/ 200G
 - > 70mm (W) x 155mm (D) x 43mm (H)
 - > Weight: 1.20kgs (2.64lbs)
 - > Rackmount ears supplied: 107mm (2-pieces)
- » Vega 400G
 - > 437mm (W) x 153mm (D) x 43.5mm (H)
 - > Weight: 1.97kgs (4.35lbs)
 - > Rackmount ears supplied

Power Supply:

- » Vega 100G/ 200G
 - > Input: 100-240V~50/60Hz 0.8A
 - > Output: 12V = 2.0A
- » Vega 400G
 - > Internal PSU 100..240 VAC, 47..63 Hz, 1..0.5 A