

Vega 4x4

Flexible Analog 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
- » Up to 16 VoIP channels
- » Audio Codecs:
 - » G.711 (a-law/μ-law) (64kbps)
 - » G.729a (8kbps)
 - » G.723.1 (5.3/6.4 kbps)
 - » G.726
 - » T.38

Telephony Interface:

- » FXS
 - » Up to 16 ports presented on RJ45
 - » 600R, 900R or CTR-21 line impedance
- » FXO
 - » Up to 16 ports presented on RJ45
 - » 600R, 900R or CTR-21 line impedance
- » GenGen
 - » Up to 16 ports presented on RJ45
 - » 75V RMS ringing
- » Audio
 - » Up to 16 ports presented on RJ45
 - » Unbalanced audio input, receive (mic) and transmit (speaker)

LAN Interface:

- » 2 RJ-45s, 1000BaseT / 100 BaseTX / 10 BaseT, full / half duplex

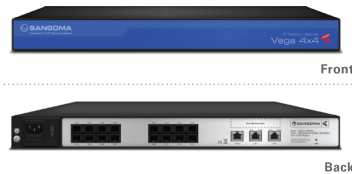
Features

Identification:

- » Caller ID presentation on (FXS/FXO only)
- » Caller ID screening allows connections to be accepted only from selected call sources (FXS/FXO only)
- » SIP registration and 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
- » TR-069
- » Syslog
- » TFTP/FTP support
- » VT100 – RS232/Telnet/SSH



Routing & Numbering:

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

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 tail)

Security & Encryption: *Optional

- » *Media – SRTP/ *SIP – TLS
- » Management – HTTPS, SSH Telnet
- » Configurable user login passwords
- » Local Survivability

Hardware

Certification:

- | | |
|-----------------|---------------|
| » EMC (CLASS B) | » Safety |
| » EN55022 | » EN60950 |
| » EN55024 | » IEC60950 |
| » FCC Part 15 | » UL60950 |
| » AS/NZS3548 | » AS/NZS60950 |

Environmental:

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

FXS Line Length:

- » 8 km at 1 REN, depending on environment

LED Indicators:

- » LAN: Speed/Activity

Dimensions:

- » 1U: 440mm (W) x 250mm (D) x 45mm (H)
- » Weight: 2.7kgs (6lbs)
- » Rackmount brackets supplied: 483mm

Power Supply:

- » External AC adapter
- » DC output 12V/5A (60W)
- » 100–240 VAC (50/60 Hz)