Product Name: Sangoma Vega 5000 Gateway 50 FXS + 2 FXO VS0151

Manufacturer: Sangoma

Model Number: VS0151

Sangoma Vega 5000 Gateway 50 FXS + 2 FXO VS0151

Please Note: The   Sangoma Vega 5000 is soon to be End Of Life. For an alternative, we recommend the Vega 3000G .

The Sangoma Vega 5000 analog gateways are available with 50 FXS ports (for connection to standard analog telephones) & 2 FXO ports (for connection to PSTNtelephone lines or a PBX).

The Vega 5000 analog telephony gateway is designed to simplify the integration of legacy phone systems to IP infrastructure. The Vega 5000 connects analog handsets & devices to an IP network, typically either an Internet Telephony Service Provider (ITSP) or a corporate network, while providing two additional network–facing analog ports for connection to telephone lines or an analog PBX.

Vega 5000 analog gateways are available with 50 FXS ports (for connection to standard analog telephones) & 2 FXO ports (for connection to PSTN telephone lines or a PBX).

Service Provider Applications:

• Customer premises gateway for SIP trunking
• FXS endpoints for IP Centrex
• Survivability for IP phones

Enterprise Applications:

• Enterprise VoIP networking
• Enterprise IP telephony gateway

Open, Non–Proprietary Interfaces

• All VegaStream gateways support SIP, H.323 and T.38 FAX.
• The gateway can be configured for different country requirements, such as tones and line impedance.
• All Vega gateways have proven interoperability with a wide range of existing telecommunications & VoIP equipment.

Lifeline PSTN Backup

When powered the Vega can route calls to or from the two FXO ports. Under power failure conditions the two FXO ports provide a hard–wired bypass to two FXS ports allowing PSTN calls to be made even under this failure condition.

ENP – Enhanced Network Proxy (optional)

This option enables continuity of service during WAN/SIP outage and may be configured to operate in a number of ways including:

• Standalone proxy
• IP device survivability
• IP device call routing
• Emergency call routing
• SIP to SIP call routing

Density

• With up to 50 FXS ports in a chassis that is only 1U high & half a rack deep, these gateways provide exceptional density.

Sangoma Vega 5000 Gateway 50 FXS + 2 FXO VS0151 Technical Specifications
VoIP Interfaces

• SIP
• H.323 version 4
• Audio codecs:

• G.711 (a-law/µ-law)
• G.729a
• G.723.1 (5.3/6.4 kbps)
• Clearmode
• GSM (Optional)

• FAX Support – up to G3 FAX, using T.38
• Modem Support – up to V.90, using G.711
• 48 VoIP channels

Telephony Interfaces

• 50 ports per RJ–21 connector
• 2 FXO ports on RJ–45 connectors
• 600R, 900R or CTR–21 line impedance

LAN Interfaces

• 2 RJ–45s, 10 BaseT/100 BaseTX, full/half duplex

Telephony Features
Available on FXS ports:

• Call Waiting
• Call Forward – Unconditional, Busy, No–Answer
• Call Transfer – Blind, Consultative
• 3–Way Conference
• Do Not Disturb
• Message Waiting Indicator – Audible, Visual
• Music on Hold
• Executive Barge

Identification

• Caller ID presentation – UK, DTMF, Bellcore GR30, ETSI
• Caller ID screening allows connections to be accepted only from selected call sources
• H.323 gatekeeper registration
• SIP Registration & Digest Authentication

Operation, Maintenance & Billing

• HTTP(S) web server
• RADIUS Accounting & Login
• Remote firmware upgrade:

- Auto code upgrade
- Auto configuration upgrade

- SNMP V1, V2 & V3
- Syslog
- TFTP/FTP support
- VT100 – RS232/Telnet/SSH
- Voice readback of IP parameters

Routing & Numbering

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

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

- Media – SRTP (Optional)
- SIP – TLS (Optional)
- Management – HTTPS, SSH Telnet
- Configurable user login passwords
- Enhanced Network Proxy (ENP) (Optional)

Certification
EMC (Class A)

- EN55022
- EN55024
- FCC Part 15
- AS/NZS3548
- VCCI

Safety
EMC (Class A)

- EN60950
- IEC60950
- UL60950
- AS/NZS60950

Telecoms

• TBR21
• FCC Part 68
• CS-03

Protection

• FXS port surge protection – K.20, K.21, GR1089

Environmental

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

FXS Line Length

• 1500ohm, up to 8km

Indicators
LED:

• Power
• System ready
• Lifeline, FXS calls active
• LAN: speed/activity

Physical Dimensions

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

Additional Accessories

• 1 x RJ21 to punch down Connector
• 1 x RJ21 to RJ45 cable (1.5m)

Power

• 100..240 VAC, 47..63 Hz, 1..0.5 A for 24 ports or 100..240 VAC, 47..63 Hz, 2..1 A for 48 ports
• 48V DC (subject to MOQ) (Optional)

Program Storage

• Code & configuration data are stored in FLASH & executed from RAM

Price: £1,807.50