

Sangoma Vega 5000 Gateway 24 FXS + 2 FXO VS0150

Product Name: Sangoma Vega 5000 Gateway 24 FXS + 2 FXO VS0150

Manufacturer: Sangoma

Model Number: VS0150

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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 24 FXS ports (for connection to standard analog telephones) & 2 FXO ports (for connection to PSTN telephone 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.

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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

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- With up to 24 FXS ports in a chassis that is only 1U high & half a rack deep, these gateways provide exceptional density.

Sangoma Vega 5000 Gateway 24 FXS + 2 FXO VS0150 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: £931.10
