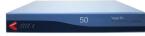


## Sangoma Vega 50 Gateway 4 x FXO



Product Name: Sangoma Vega 50 Gateway 4 x FXO

Manufacturer: -

Model Number: VEGA-050-0004KIT

**Please Note:** This product has been discontinued. Please see the Sangoma Vega Media Gateways.

### Sangoma Vega 50 Gateway 4 x FXO

The Sangoma Vega 50 Gateway connects a range of legacy telephony equipment, including PBXs, ISDN telephones, the ISDN, analogue phones & the PSTN to IP networks.

The Sangoma Vega 50 Europa Gateway media supports up to 10 analogue ports or 8 basic rate ISDN channels on 4 physical interfaces. The following gateway configurations are available as standard:

Service Provider Applications:

- ½ Customer premises gateway for SIP trunking
- ½ FXS endpoints for IP Centrex
- ½ Survivability for IP phones

Enterprise Applications:

- ½ Enterprise VoIP networking
- ½ PSTN trunking for IP-PBXs

Analog

½ 4 FXO

### Enhanced Network Proxy (ENP) (Optional)

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

- ½ Standalone proxy
- ½ IP device survivability
- ½ IP device call routing
- ½ Emergency call routing
- ½ SIP to SIP call routing

### Open, Non-Proprietary Interfaces

Sangoma Vega 50 Europa Gateways support ETSI BRI. Analog Vega 50 media gateways support standard loop start signalling. Vega 50 media gateways have proven interoperability with a wide range of existing telecommunications & VoIP equipment. All VegaStream gateways can support SIP, H.323 & T.38 FAX. The gateways can be configured for different country requirements, such as tones & line impedance.

### Lifeline PSTN Backup

Sangoma Vega 50 Europa Gateway media variants equipped with FXS ports are also fitted with two FXO ports. When powered the Vega can route calls to or from these 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.

**Sangoma Vega 50 Europa Gateway 4 x FXO Technical Specifications**  
**VoIP Interfaces**

## Sangoma Vega 50 Gateway 4 x FXO

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

• G.711 (a-law/&micro;-law) (64 kbps)  
• G.729a (8kbps)  
• 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  
• Up to 8 VoIP channels

### Analog Telephony Interfaces

• 4 or 8 FXS ports with 2 FXO ports presented on RJ11  
• 4 or 8 FXO ports presented on RJ11  
• 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  
• Caller ID screening allows connections to be accepted only from selected call sources  
• H.323 gatekeeper registration  
• 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

## Sangoma Vega 50 Gateway 4 x FXO

- 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
- FXS ports support Call Waiting & Call transfer (blind & consultative)
- 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

- 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

- EN60950
- IEC60950
- UL60950
- AS/NZS60950

### Telecoms

- TBR21 (FXO)
- FCC Part 68
- CS-03
- TBR3 (BRI)

## Sangoma Vega 50 Gateway 4 x FXO

### Environmental

Temperature: 0°C .. 40°C  
Humidity: 0% .. 90% humidity (non-condensing)

### FXS Line Length

1500ohm, up to 8km

### Indicators

LED:

LAN: speed / activity

### Physical Dimensions

Width/height/depth: 299.73mm (11.80") x 44.45mm (1.75") x 237.06mm (9.33")  
Weight: 1.02kg (unit only)  
Rackmount brackets supplied

### Power

Standard product: External 12V 24W AC/DC adapter

### Program Storage

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

**Price: £354.20**

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Options available for Sangoma Vega 50 Gateway 4 x FXO :

### Peace of Mind Packages

Gold, Not Required, Platinum, Silver, Advanced Hardware Replacement.