Sangoma Vega 50 Gateway 8 x FXO

Product Name: Sangoma Vega 50 Gateway 8 x FXO
Manufacturer: -
Model Number: VEGA-050-0008KIT

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

Sangoma Vega 50 Gateway 8 x FXO
The Sangoma Vega 50 Gateway connects a range of legacy telephony equipment, including PBXs, ISDN telephones, the ISDN, analog phones & the PSTN to IP networks.
The Sangoma Vega 50 Gateway media supports up to 10 analog ports, or 8 basic rate ISDN channels on 4 physical interfaces. The following gateway configurations are available as standard:
Service Provider Applications:

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

Enterprise Applications:

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

Analog

ï¿½ 8 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:

ï¿½ Standalone proxy
ï¿½ IP device survivability
ï¿½ IP device call routing
ï¿½ Emergency call routing
ï¿½ SIP to SIP call routing

Open, Non-Proprietary Interfaces
Sangoma Vega 50 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 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 Gateway 8 x FXO Technical Specifications
VoIP Interfaces

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ï¿½ SIP
ï¿½ H.323 version 4
ï¿½ Audio codecs:

ï¿½ G.711 (a-law/µ-law) (64 kbps)
ï¿½ G.729a (8kbps)
ï¿½ G.723.1 (5.3/6.4 kbps)
ï¿½ Clearmode
ï¿½ GSM (Optional)

ï¿½ FAX Support – up to G3 FAX, using T.38
ï¿½ Modem Support – up to V.90, using G.711
ï¿½ Up to 8 VoIP channels

Analog Telephony Interfaces

ï¿½ 4 or 8 FXS ports with 2 FXO ports presented on RJ11
ï¿½ 4 or 8 FXO ports presented on RJ11
ï¿½ 600R, 900R or CTR-21 line impedance

LAN Interfaces

ï¿½ 2 RJ-45s, 10 BaseT / 100 BaseTX, full / half duplex

Telephony Features
Available on FXS ports:

ï¿½ Call Waiting
ï¿½ Call Forward   Unconditional, Busy, No-Answer
ï¿½ Call Transfer   Blind, Consultative
ï¿½ 3 Way Conference
ï¿½ Do Not Disturb
ï¿½ Message Waiting Indicator – Audible, Visual
ï¿½ Music on Hold
ï¿½ Executive Barge

Identification

ï¿½ Caller ID presentation
ï¿½ Caller ID screening allows connections to be accepted only from selected call sources
ï¿½ H.323 gatekeeper registration
ï¿½ SIP Registration & Digest Authentication

Operations, Maintenance & Billing

ï¿½ HTTP(S) web server
ï¿½ Radius Accounting & Login
ï¿½ Remote firmware upgrade:

ï¿½ Auto code upgrade
ï¿½ Auto configuration upgrade

ï¿½ SNMP V1, V2 & V3

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ï¿½ Syslog
ï¿½ TFTP / FTP support
ï¿½ VT100   RS232 / Telnet/SSH
ï¿½ Voice readback of IP parameters

Routing & Numbering

ï¿½ Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
ï¿½ Direct Dialing In (DDI)
ï¿½ SIP registration to multiple proxies
ï¿½ FXS ports support Call Waiting & Call transfer (blind & consultative)
ï¿½ NAT traversal

Call Quality

ï¿½ Adaptive jitter removal
ï¿½ Comfort noise generation
ï¿½ Silence suppression
ï¿½ 802.1p/Q VLAN tagging
ï¿½ Differentiated Services (DiffServ)
ï¿½ Type of Service (ToS)
ï¿½ QoS statistics reporting
ï¿½ Echo cancellation (G.168 up to 128ms)

Security & Encryption

ï¿½ Media – SRTP (Optional)
ï¿½ SIP – TLS (Optional)
ï¿½ Management – HTTPS, SSH Telnet
ï¿½ Configurable user login passwords
ï¿½ Enhanced Network Proxy (ENP) (Optional)

Certification
EMC (Class A)

ï¿½ EN55022
ï¿½ EN55024
ï¿½ FCC Part 15
ï¿½ AS/NZS3548
ï¿½ VCCI

Safety

ï¿½ EN60950
ï¿½ IEC60950
ï¿½ UL60950
ï¿½ AS/NZS60950

Telecoms

ï¿½ TBR21 (FXO)
ï¿½ FCC Part 68
ï¿½ CS-03
ï¿½ TBR3 (BRI)

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Environmental

ï¿½ 0° .. 40°C
ï¿½ 0% .. 90% humidity (non-condensing)

FXS Line Length

ï¿½ 1500ohm, up to 8km

Indicators
LED:

ï¿½ LAN: speed / activity

Physical Dimensions

ï¿½ 299.73mm (11.80") x 44.45mm (1.75") x 237.06mm (9.33") width/height/depth
ï¿½ Weight: 1.02kg (unit only)
ï¿½ Rackmount brackets supplied

Power

ï¿½ Standard product: External 12V 24W AC/DC adapter

Program Storage

ï¿½ Code & configuration data are stored in FLASH & executed from RAM

Price: £579.20

Options available for Sangoma Vega 50 Gateway 8 x FXO :

Peace of Mind Packages

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