

# Vega 50 FXS/FXO

## 10 Ports Analog



Let's talk Voice over IP. Let's talk VegaStream. Our range of dedicated VoIP gateways is helping to drive down the total cost of business communications. VegaStream's technical know-how and non-stop support mean that VoIP simply works, first time, every time. We collaborate with service providers, technology and channel partners to enable easy integration with existing systems. VegaStream gives your business a voice.



The Vega 50 analog FXS and FXO gateways are designed to connect analog phone systems to IP networks. The Vega 50 analog phone-facing FXS connects standard analog handsets to an IP network, typically a corporate network, while the Vega 50 network-facing FXO connects the IP network to a telephone line or analog PBX.

The following Vega 50 analog gateways are available:  
> 8 FXS + 2 FXO  
> 10 FXO

FXO ports can be specified as 600R, 900R or CTR-21.

### Open, Non-Proprietary Interfaces

All VegaStream gateways can support SIP, H.323 and T.38 fax.

The gateway can be configured for different country requirements, such as tones and line impedance.

The Vega 50 analog gateway has proven interoperability with a wide range of existing telecommunications and VoIP equipment.

### Lifeline PSTN Backup

The Vega 50 FXS gateway provides 8 FXS + 2 FXO lines. The two FXO lines provide a hard-wired bypass to allow PSTN calls under power failure conditions.

### Typical Vega 50 Analog Gateway Applications

Service Provider Applications:  
> Customer premises gateway  
> PSTN gateway

Enterprise Applications:  
> Enterprise VoIP networking  
> Enterprise IP telephony gateway

For further details on these applications, please refer to the website.

# Vega 50 FXS/FXO

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Software release 6

### Interfaces

#### VoIP Protocols

- > H.323 version 4
- > SIP
- > Audio codecs:
  - G.723.1 (5.3/6.4 kbps)
  - G.729a (8kbps)
  - G.711 (a-law/ $\mu$ -law) (64 kbps)
- > Up to ten VoIP channels

#### Telephony Interface

- > 8 FXS + 2 FXO or 10 FXO ports
- > 600R, 900R or CTR-21 line impedance for FXO ports
- > Fax Support – up to G3 fax, using T.38
- > Modem Support – up to V.90, using G.711

#### LAN Interface

10 BaseT, 100 BaseTX, full or half duplex

### Features

#### Identification

- > Caller ID presentation
- > Caller ID screening guarantees connection only from authenticated call sources
- > H.323 gatekeeper registration
- > SIP Registration and Digest Authentication

#### Billing, Operations and Maintenance

- > HTTP web server – with access to user guide
- > Radius Accounting
- > Remote firmware upgrade:
  - > Auto code upgrade
  - > Auto configuration upgrade
- > SNMP MIB 1&2
- > TFTP/FTP support
- > VT100 – RS232/Telnet

#### Routing and Numbering

- > Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
- > Direct Dialing In (DDI)

#### 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)
- > NAT Traversal

### Hardware

#### Certification

EMC (Class A)	Safety	Telecoms
EN55022	EN60950	TBR21
EN55024	IEC60950	FCC Part 68
FCC Part 15	UL60950	CS-03
AS/NZS3548	AS/NZS60950	
VCCI		

#### Environmental

0°-40°C  
0-90% humidity (non-condensing)

#### Front Panel Display

LED:  
> POTS: Physicals  
> LAN: Speed, Activity, Half/Full Duplex

#### Physical Dimensions

> 440mm (17.4") x 63mm (2.5") x 330mm (13")  
width/height/depth  
> Industrial rackmount: 483mm (19"), 1.5U  
> Weight: 7.5kg

#### Power

100-240 VAC.47-63 Hz.1A-0.5A

#### Program Storage

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

Available in the UK from :

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