

# Vega 5048

## 48 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.



### Typical Vega 5048 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 [www.vegastream.com](http://www.vegastream.com)

The Vega 5048 analog gateway is designed to connect analog phone systems to IP networks. The Vega 5048 connects standard analog handsets to an IP network, typically either an Internet Telephony Service Provider (ITSP) or corporate network, while providing two additional network-facing analog ports for connection to a telephone line or analog PBX.

Vega 5048 analog gateway is available factory configured in the below configuration. Other configurations are available to special order.

- > Vega 5048: 48 FXS ports (for connection to standard analog phones)

All models provide 2 FXO ports (for connection to analog telephone lines or PBXs).

### 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.

All of the Vega gateways have proven interoperability with a wide range of existing telecommunications and VoIP equipment.

### Lifeline PSTN Backup

In addition to allowing active call routing to either the analog FXS phones or the VoIP network, the two FXO ports provide a hard-wired bypass to allow PSTN calls under power failure conditions.

### Density

With up to 48 FXS ports in a chassis that is only 1U high and half a rack deep, these gateways provide exceptional density for deployment

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### Interfaces

#### VoIP Protocols

- > SIP
- > H.323 version 4
- > Audio codecs:
  - G.711 (a-law/ $\mu$ -law) (64 kbps)
  - G.729a (8kbps)
  - G.723.1 (5.3/6.4 kbps)
- > Up to 48 VoIP channels

#### Telephony Interfaces

- > 48 ports on two RJ21's
- > 2 FXO ports RJ45
- > 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 Interfaces

- > 2 RJ45s, 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 and customer MIB
- > 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: Activity
- > LAN: Speed and Activity

#### Physical Dimensions

- > 437mm (17.2") x 43mm (1.7") x 275mm (10.8")  
width/height/depth
- > Industrial rackmount: 483mm (19"), 1U
- > Weight: 6.5kgs

#### Additional Accessories

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

#### Power

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

#### Program Storage

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

#### Contact Details

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