

# Vega 50 6x4

## 24 Ports



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 50 6x4 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 50 6x4 gateway connects a range of legacy telephony equipment, including PBX's, ISDN telephones, ISDN, analog phones and the PSTN to IP networks. The Vega 50 6x4 supports up to 24 analog ports, up to 16 basic rate ISDN channels on 8 interfaces or a mixture of port types and capacities. The Vega50 6x4 is available factory configured in a number of different configurations, other configurations are available to special order.

The following gateway configurations are available as standard:

- > 4 FXS + 2 FXO
- > 8 FXS + 2 FXO
  
- > 24 FXS + 2 FXO
- > 8 FXO
- > 24 FXO
- > 8 BRI Channels (4 interfaces)
- > 8 BRI Channels (4 interfaces) + 4 FXO

On BRI Modules each interface can be independently configured as network or terminal-facing. When fitted with BRI Modules the Vega 50 6x4 gateway can, therefore, be connected to a PBX and the PSTN simultaneously. This configuration provides:

- > No disruption to the configuration of existing equipment
- > Flexibility and choice for call routing

When fitted FXO modules can be configured as 600R, 900R or CTR-21

### Open, Non-Proprietary Interfaces

The Vega 50 6x4, when fitted with BRI modules, supports ETSI BRI. The Vega 50 6x4 gateway has proven interoperability with a wide range of existing telecommunications and VoIP equipment.

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.

### Lifeline PSTN Backup

All variants equipped with any number of FXS ports are also fitted with two FXO ports. The two FXO ports provide a hard-wired bypass to allow local PSTN calls to be made under power or IP failure conditions.

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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)
- > Fax Support - up to G3 fax, using T.38
- > Modem Support - up to V.90, using G.711
- > Up to 24 VoIP channels

#### Telephony Interface

- > Up to a maximum of 2 BRI Modules each providing:

- ETSI BRI
- 4 powered S/T interfaces
- Point to point or point to multipoint
- Each Interface can be configured NT or TE
- 1 BRI Module may be combined with up to 4 analog modules
- 2 BRI Modules may be combined with up to 2 analog modules

- > Up to a maximum of 6 FXS or FXO Modules each providing:
  - 4 FXS or 4 FXO ports
  - 600R, 900R or CTR-21 line impedance for FXO ports
  - 2 backup FXO ports fitted if any FXS modules are fitted
  - FXO and FXS modules may be mixed

### 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: On-Line/Ringing
- > LAN: Speed, 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

#### Power

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

#### Program Storage

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

Vega50\_6x4/v2

### Contact

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