

Vega 50 Europa

4 or 8 Ports



Pre-Release Copy

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 Europa 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

The Vega 50 Europa gateway connects a range of legacy telephony equipment, including PBXs, ISDN telephones, ISDN, analog phones and the PSTN to IP networks. The Vega 50 Europa supports up to 10 analog ports, and either 4 or 8 basic rate ISDN channels on 4 interfaces. The Europa is available factory configured in a number of different configurations.

The following gateway configurations are available as standard:

- > 4 FXS + 2 FXO
- > 8 FXS + 2 FXO
- > 4 BRI Channels (two interfaces, 4 voice channels)
- > 8 BRI Channels (four interfaces, 8 voice channels)

BRI interfaces can each be independently configured as network or terminal-facing. The Vega 50 Europa 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

The Vega 50 Europa can be configured as 600R, 900R or CTR-21

Open, Non-Proprietary Interfaces

The Vega 50 Europa supports ETSI BRI and 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/ μ -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 8 VoIP channels

Telephony Interface

- > ETSI BRI
- > 2 or 4 powered S/T interfaces
- > Point to point or point to multipoint
- > Each Interface can be configured NT or TE
- > 8 or 4 FXS ports
 - 600R, 900R or CTR-21 line impedance for the 2 backup FXO ports fitted in FXS variant.

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 (FXO)
EN55024	IEC60950	FCC Part 68
FCC Part 15	UL60950	CS-03
AS/NZS3548	AS/NZS60950	TBR3 (BRI)
VCCI		

Environmental

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

Front Panel Display

LED:

- > POWER
- > LAN: Link, Activity
- > Call Activity

Physical Dimensions

- > 299.73mm (11.80") x 44.45mm (1.75") x 237.06mm (9.33")
width/height/depth
- > Weight: 1.02kgs (unit only)

Power

External 30W AC-DC adapter (TBD)

Program Storage

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

Vega50Europa/d6

Contact

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