

Vega 50 Europa

4 or 8 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 Europa Gateway Applications

Service Provider Applications:

- > Customer premises gateway
- > Retail outlet 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, the ISDN, analog phones and the PSTN to IP networks. The Vega 50 Europa supports up to 10 analog ports, or either 4 or 8 basic rate ISDN channels on 2 or 4 physical interfaces. The Europa is available in a number of different configurations.

The following gateway configurations are available as standard:

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

Each BRI interface can be independently configured as network side or terminal side. The Vega 50 Europa gateway can, therefore, be connected to both a PBX and the ISDN simultaneously. This configuration provides:

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

Analog interfaces on the Vega 50 Europa can be configured as 600R, 900R or CTR-21

Open, Non-Proprietary Interfaces

The BRI Vega 50 Europa gateways support ETSI BRI. The analog Vega 50 Europa gateways support standard loop start signalling. The Vega 50 Europa gateways have 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 gateways can be configured for different country requirements, such as tones and line impedance.

Lifeline PSTN Backup

Vega 50 Europa 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.

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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 Interfaces

ETSI BRI

- > 2 or 4 powered S/T interfaces
 - > Point to point or point to multipoint
 - > Each Interface can be configured NT or TE
- 4 or 8 FXS ports with 2 FXO ports
- > 600R, 900R or CTR-21 line impedance

LAN Interfaces

- > 2 RJ45s, 10 BaseT / 100 BaseTX, full or half duplex

Features

Identification

- > Caller ID presentation
- > Caller ID screening allows connections to be accepted only from selected call sources
- > H.323 gatekeeper registration
- > SIP Registration and Digest Authentication

Operations, Maintenance and Billing

- > HTTP web server
- > Radius Accounting
- > Remote firmware upgrade:
 - > Auto code upgrade
 - > Auto configuration upgrade
- > SNMP
- > TFTP / FTP support
- > VT100 – RS232 / Telnet

Routing and Numbering

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

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)

Hardware

Certification

EMC (Class A)

- EN55022
- EN55024
- FCC Part 15
- AS/NZS3548
- VCCI

Safety

- EN60950
- IEC60950
- UL60950
- AS/NZS60950

Telecoms

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

Environmental

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

Indicators

LED:

- > LAN: speed / activity

Physical Dimensions

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

Power

- > External 30W AC/DC adapter (TBD)

Program Storage

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

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