Vega 50 BRI
8 Channels Digital

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 Basic Rate ISDN (BRI) gateway connects legacy ETSI BRI telephony equipment, including PBXs, ISDN telephones and the ISDN to IP networks. The Vega 50 gateway supports eight channels consisting of four 2B+D interfaces. Each interface can be independently configured as network or terminal-facing.

The Vega 50 BRI 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

Open, Non-Proprietary Interfaces

The Vega 50 BRI gateway supports ETSI BRI.

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

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

Typical Vega 50 BRI 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.

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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/µ-law) (64 kbps)
> Up to 8 VoIP channels

Telephony Interface
> ETSI BRI
> 4 unpowered S/T interfaces
> Point to point or point to multipoint
> Each Interface can be NT or TE
> 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
> 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 operation
> Direct Dialing In (DDI)
> Multiple Subscriber Number (MSN)

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 B)	Safety	Telecoms (ISDN)
EN55022 (CISPR22)	EN60950	TBR3
EN55024 (CISPR24)	IEC60950	TS031
AS/NZS3548	AS/NZS60950	
VCCI		

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

Front Panel Display
LED:
> ISDN: DSL 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: 7kg

Power
100-240V AC, 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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www.westlakecommunications.co.uk