

Vega 50V BRI

8 Channels Digital VME VoIP Gateway Board



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 50V Gateway Applications

Military and Homeland Security

Ruggedized Environments

OEM and System Integrator applications

For further details on these applications, please refer to the website.

The Vega 50V North America Basic Rate ISDN (BRI) VoIP gateway is the VME board version of the leading Vega 50 gateway. The Vega 50V is optimised for deployment in standard VME systems and connects legacy N. American BRI telephony equipment to IP networks.

The Vega 50 BRI gateway supports eight channels consisting of four 2B+D network-facing (TE) interfaces. *(Please contact VegaStream to discuss requirements for support of terminal-facing (NT) interfaces .)*

Interfaces

The Vega 50V BRI gateway supports AT&T 5ESS BRI. *(Please contact VegaStream to discuss requirements for support of other ISDN BRI protocols .)*

The Vega 50V BRI gateway can support SIP and T.38 fax. *(Please contact VegaStream to discuss requirements for support of other VoIP protocols.)*

Vega 50V BRI

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VME VoIP Gateway Board

Software release 7.3

Interfaces

VoIP Protocols

- > SIP
- > Audio codecs:
 - G.723.1 (5.3/6.4 kbps)
 - G.729a (8 kbps)
 - G.711 (a-law/ μ -law) (64 kbps)
- > Up to 8 VoIP channels

Telephony Interface

- > 5ESS BRI
- > 4 unpowered S/T interfaces
- > Point to point or point to multipoint
- > Each Interface is 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 presentation
- > Caller ID screening guarantees connection only from authenticated call sources
- > 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
- >

Routing and Numbering

- > Dial Planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
- > 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

VMEbus:

- > VME bus info

Environmental

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

Front Panel

Physical Connectors:

- > ISDN info
- > LAN info
- > RS232 info

LED:

- > ISDN: DSL Physicals
- > LAN: Speed, Activity, Half/Full Duplex

Physical Dimensions

- > Standard VME 6U size 23.45cm x 16.0cm (9.1" x 6.3")
- > 2 Slots

Program Storage

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

Vega50V_Draft3

Contact Details

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