

# Vega 50 BRI

## 8 Channels Digital



VegaStream delivers to customers the cost savings and productivity benefits of Voice over IP (VoIP) through its portfolio of dedicated VoIP gateways. VegaStream works in close co-operation with service providers, technology partners and channel partners to deliver complete solutions to businesses. Combining its technical expertise with round-the-clock customer support, VegaStream ensures reliable and seamless integration with the overall VoIP solution.

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/ $\mu$ -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

### Contact Details

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