



## Vega 400



The Vega 400 connects existing digital PBXs and the public network to IP networks bringing dramatic telephony cost savings. The Vega 400 is a new class of VoIP gateway - field upgradeable to support up to 120 VoIP calls and delivering maximum throughput for all supported VoIP traffic.

The Vega 400 VoIP Gateway is provided with 4 E1/T1 interfaces and can be purchased with various capacities for handling up to 120 VoIP channels.

At glance:

- 4 E1/T1 interfaces
- Up to 120 VoIP calls
- Field-upgradable through expansion modules
- SIP and H323 VoIP signalling
- N. American and ETSI PRI signaling, QSIG, T1 CAS

## Features & Benefits

### Simple and Efficient Expansion

Vega 400 has been designed with the future in mind, comprising a base unit with expansion slots and, through this expansion, additional VoIP capacity can be added in the field. In line with the growth of inter-site voice traffic, additional VoIP channels can be provisioned with ease when needed.

### Flexibility and Simplicity of E1/T1 Configuration

Each E1/T1 interface is independently configurable as either Network Side or Terminal Side and allows the Vega 400 to be connected to both a PBX and the ISDN simultaneously for a variety of applications. This eliminates disruption to the configuration of existing equipment and increases the flexibility and choices available for call routing.

### Open, Non-Proprietary, Configurable Interfaces

The Vega 400 supports a variety of signalling schemes:

- ETSI ISDN
- NI1, NI2, AT&T, 5ESS, DMS100
- ISO QSIG Basic Call and QSIG Feature Transparency
- CAS (Channel Associated Signalling)

This superior flexibility results in significant levels of interoperability with a wide range of existing telecommunications systems. VegaStream VoIP Gateways also support SIP, H.323 and T.38 Fax and this further extends Vega 400's interoperability with a broad mix of VoIP equipment.

## Vega 50 VoIP Gateways



### Vega 50 Europa

4 or 8 Port VoIP Gateway

The latest addition to the Vega 50 portfolio, the Vega 50 Europa VoIP Gateway connects a range of legacy telephony equipment, including PBX's, ISDN telephones, ISDN, analog phones and the PSTN to IP networks. The Europa supports up to 10 analog ports, and either 4 or 8 basic rate ISDN channels on 4 interfaces - 4 BRI interfaces supporting NT and TE mode.

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)

## Features & Benefits

### Total Flexibility of BRI and Analog Configuration

Each BRI Interface is independently configurable as either Network (NT) or Terminal Side (TE) and allows the Vega 50 Europa to be connected to both a PBX and the ISDN simultaneously. This eliminates disruption to the configuration of existing equipment and increases the flexibility and choices available for call routing.

The Vega 50 Europa is configurable for different country requirements including tones and line impedance, 600R, 900R or CTR-21 making it easy to deploy for a wide variety of applications. This ensures that VegaStream connected networks, within multinational site locations, can be supported with confidence.

### Open, Non-Proprietary, Configurable Interfaces

The Basic Rate Interface (BRI) Vega 50 Europa VoIP Gateways support ETSI BRI while the analog variants support standard Loop Start signalling resulting in significant levels of interoperability with a wide range of existing telecommunications systems. VegaStream VoIP Gateways also support SIP, H.323 and T.38 Fax and this extends that interoperability to a broad mix of VoIP equipment.

### Lifeline PSTN Backup

Vega 50 Europa VoIP Gateway, when equipped with FXS ports, are also fitted with two FXO ports. When powered, Vega 50 Europa will route calls to or from these two FXO ports. Under power failure conditions, the two FXO ports provide a hard-wired bypass feature to the two FXS ports. This allows PSTN calls still to be made, giving resilience and confidence of business continuity, even under power failure conditions.

## Vega 50 6x4 FXS



The Vega 50 6x4 FXS gateway enables a range of legacy telephony equipment, including PBXs, key systems and analog phones to connect to VoIP networks.

The Vega 50 6x4 FXS supports up to 10 analog ports and is available in two variants:

- 4 FXS + 2 FXO
- 8 FXS + 2 FXO

## Features & Benefits

### Flexibility and Simplicity of Analog Configuration

The Vega 50 6x4 FXS is configurable for different country requirements including tones and line impedance, 600R, 900R or CTR-21 making it easy to deploy for a wide variety of applications. This ensures that VegaStream connected networks, within multinational site locations, can be supported with confidence.

### Open, Non-Proprietary, Configurable Interfaces

The Vega 50 6x4 FXS analog variants support standard Loop Start signalling resulting in significant levels of interoperability with a wide range of existing telecommunications systems. VegaStream VoIP Gateways also support SIP, H.323 and T.38 Fax and this extends that interoperability to a broad mix of VoIP equipment.

### Lifeline PSTN Backup

Vega 50 6x4 FXS gateways are also equipped with two FXO ports. When powered, Vega 50 6x4 FXS will route calls to or from these two FXO ports. Under power failure conditions, the two FXO ports provide a hard-wired bypass feature to the two FXS ports. This allows PSTN calls still to be made, giving resilience and confidence of business continuity, even under power failure conditions.

## Vega 5000



The Vega 5000 VoIP Gateway range is the Winner of the Internet Telephony 2005 Product of the Year Award and is designed to connect analog phone systems to IP networks.

Available with 24 or 48 FXS ports, the Vega 5000 analog VoIP Gateway is designed to connect standard analog handsets typically to an Internet Telephony Service Provider (ITSP) or a corporate network.

It also offers two additional network-facing analog ports or connection to a telephone line or analog PBX.

## Features & Benefits

### Open, Non-Proprietary, Configurable Interfaces

All VegaStream VoIP Gateways support SIP, H.323 and T.38 Fax, resulting in significant levels of interoperability with a wide range of existing telecommunications and VoIP equipment.

The Vega 5000 is configurable for different country requirements including tones and line impedance. This ensures that IP connected networks with multinational site locations can be supported with confidence in virtually all instances.

### Lifeline PSTN Backup

When powered, the Vega 5000 VoIP Gateway will route calls to or from the unit's two FXO ports. Under power failure conditions, the two FXO ports provide a hard-wired bypas feature to two FXS ports. This allows PSTN calls still to be made, giving resilience and confidence of business continuity, even under power failure conditions.

### Density

With up to 48 FXS ports in a single 1U high enclosure which is only half a rack deep, VegaStream's range of VoIP Gateways provide exceptional density for deployment, conserving space within a communications room.