

## Sangoma Vega 100 Single T1/E1 Digital Gateway VS0154



Product Name: Sangoma Vega 100 Single T1/E1 Digital Gateway VS0154

Manufacturer: -

Model Number: VS0154

Please Note: The Sangoma Vega 100 has been discontinued. For an alternative, we highly recommend the Sangoma Vega 100G.

### Sangoma Vega 100 – Single T1/E1 Digital Gateway - VS0154

The Sangoma Vega 100 VoIP gateway connects digital telephony equipment to IP networks. Each unit purchased comes ready to use with capacity for 30 simultaneous calls. There are no future options or upgrades available. Each E1/T1 interface can be independently configured as network side or terminal side. The Vega 100 gateway can therefore be connected to a PBX or the PSTN. This configuration provides:

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

### Sangoma Vega 100 Features:

- Fixed Configuration of 30 VoIP Calls
- Built-in E1/ T1 Resilience
- Voice, FAX and Modem Support
- Flexible Call Routing for Fallback and Least Cost Routing
- Emergency PSTN Backup
- Interoperability with a Wide Range of Legacy and IP Equipment

**Integrated Bypass Relays For Resiliency** The Vega 100 gateway incorporates additional RJ45 sockets and fails over to these during outages. This resource can be utilised to achieve hardwired connection from the PBX to the PSTN for instances when the Vega is installed between the two. Or alternatively to failover to a back-up E1/T1 Vega gateway & thereby providing dual redundancy

**Open, Non-Proprietary Interfaces** The Vega 100 gateway supports the following signalling schemes:

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

All Vega gateways can support SIP, H.323 & T.38 FAX. The Vega 100 gateway has proven interoperability with a wide range of existing telecommunications & VoIP equipment.

### Sangoma Vega 100 Technical Specifications

#### VoIP

- SIP
- H.323 version 4
- Audio codecs:

- G.711 (a-law/&micro;-law) (64 kbps)
- G.729a (8 kbps)
- G.723.1 (5.3/6.4 kbps)
- Clearmode

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- FAX Support – up to G3 FAX, using T.38
- Modem Support – up to V.90, using G.711
- Up to 30 VoIP channels

### Telephony Interfaces

Primary Rate ISDN (User configurable NT/TE):  
E1

- Euro–ISDN
- ISO QSIG
- VN4
- QSIG Feature Transparency (H.323)
- CAS R2MFC

### T1

- NI1/NI2
- AT&T 5ESS
- DMS100
- CAS (RBS)

- E&M wink start
- Loop start
- Ground start

- ISO QSIG
- QSIG Feature Transparency (H.323)

- Bypass relays terminating onto RJ45 for resiliency

### LAN Interfaces

- 2 RJ–45s, 10 BaseT/100 BaseTX, full/half duplex

### Identification

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

### Operations, Maintenance & Billing

- HTTP(S) web server
- RADIUS Accounting & Login
- Remote firmware upgrade:

- Auto code upgrade
- Auto configuration upgrade

## Sangoma Vega 100 Single T1/E1 Digital Gateway VS0154

- SNMP V1, V2 & V3
- TFTP/FTP support
- VT100 & RS232/Telnet/SSH

### Routing & Numbering

- Dial Planner & sophisticated call routing capabilities, standalone or gatekeeper/proxy integration
- Direct Dialing In (DDI)
- SIP registration to multiple proxies
- NAT traversal

### Security & Encryption

- Management & HTTPS, SSH Telnet
- Configurable user login passwords

### 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)

### Certification

EMC (ClassB)

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

### Safety

- EN60950
- IEC60950
- UL60950
- AS/NZS60950

### Telecoms (ISDN)

- E1: TBR4
- T1: FCC Part 68
- T1: CS-03

### Environmental

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

## Sangoma Vega 100 Single T1/E1 Digital Gateway VS0154

### Indicators

LED:

1½ Power

1½ ISDN: NT/TE & Link up

1½ LAN: Speed, Activity

### Physical Dimensions

1½ 437mm (17.2") x 43mm (1.7") x 275mm (10.8") width/height/depth

1½ Weight: 6.5kgs

1½ Rackmount: brackets supplied 483mm (19") 1U

### Power

1½ 100..240 VAC, 47..63 Hz, 1..0.5 A

1½ -48V DC also available, 1.2A (Max)

### Program Storage

1½ Code & configuration data are stored in FLASH & executed from RAM.

## Please Enquire

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Options available for Sangoma Vega 100 Single T1/E1 Digital Gateway VS0154 :

### Peace of Mind Packages

Gold, Advanced Hardware Replacement, Platinum, Silver, Not Required.