

# Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, VEGA-4NG-060

Product Name: Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, VEGA-4NG-060

Manufacturer: Sangoma

Model Number: VEGA-4NG-060

Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, upgradable to 120

The Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, upgradable to 120 VoIP gateway, lets you easily connect digital telephony equipment to IP networks. Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, upgradable to 120 Features

- 60 VoIP calls
- Supports dual gigabit Ethernet connections
- Local survivability
- 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.

## FIELD-UPGRADEABLE

Choose the right license for your business requirements now: 30, 60, 90 or 120 simultaneous voice calls and expand it later to meet your growing business needs with a quick and easy license upgrade.

## CONFIGURATION'S A SNAP

Sangoma's next generation Vega VoIP gateways are the easiest to provision on the market. It's a SNAP with the Sangoma Network Appliance Provisioning tool. Keep the configuration of existing equipment; the Vega 400G delivers flexibility and choice when it comes to call routing. Each T1/E1 interface can be set up to connect to a network or a terminal side — e.g. directly to the PSTN or straight to your PBX.

## ONCE CONNECTED, STAY CONNECTED

In the event of a WAN failure, IP phones behind the gateway can continue to call each other, be routed to a backup switch or connect directly to the PSTN. Plus, the Vega 400G comes complete with a pin switching and set of bypass T1/E1 connectors that don't rely on cross-over cables. The next generation 400G is perfect for redundancy or failover scenarios.

## OPEN, NON-PROPRIETARY INTERFACES

The Vega 400G VEGA-4NG-060 supports the following signalling schemes:

- ETSI, VN4, ISDN
- NI1, NI2, AT&T 5ESS, DMS100
- ISO QSIG Basic Call and QSIG Feature Transparency
- Channel Associated Signalling (CAS)
- R2 MFC

Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, upgradable to 120 Technical Specification

## VoIP Interfaces

- SIP — for H.323, please inquire
- Audio codecs:
  - G.711 (a-law/μ-law) (64 kbps)
  - G.729a (8 kbps)
  - G.723.1 (5.3/6.4 kbps)

# Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, VEGA-4NG-060

- G.726

- FAX Support &ndash; up to G3 FAX, using T.38
- Modem Support &ndash; up to V.90, using G.711
- Up to 120 VoIP channels

## Telephony Interfaces

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

- Euro&ndash;ISDN
- ISO QSIG
- VN4
- CAS R2MFC
- CAS Private Wire

## T1

- NI1/NI2
- AT&T 5ESS
- DMS100
- CAS (RBS)
- ISO QSIG
- CAS Private Wire

## LAN Interfaces

- 2 RJ&ndash;45s, 1000 BaseT/100 BaseTX/10 BaseT, full/half duplex

## Features

### Identification

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

### Operations, Maintenance & Billing

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

- Auto code upgrade
- Auto configuration upgrade

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

### Routing & Numbering

# Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, VEGA-4NG-060

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

## Security & Encryption

- Management &ndash; HTTPS, SSH, Telnet
- Configurable user login passwords
- SIP/TLS and SRTP

## 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)

## Hardware

### 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&deg; .. 40&deg;C
- 0% .. 90% humidity (non-condensing)

# Sangoma Vega 400G, 4 T1/E1, failover, 60 VoIP channels, VEGA-4NG-060

## Indicators

### LED:

- Power
- ISDN: NT/TE & Link up
- LAN: Speed, Activity

## Physical Dimensions

- 437mm (17.2&Prime;) wide x 153mm (6&Prime;) deep x 43.5mm (1.7&Prime;) high
- Weight: 1.97kgs (4.35lbs)
- Rackmount brackets supplied

## Power

- 100..240 VAC, 47..63 Hz, 1..0.5 A

## Program Storage

- Code & configuration data are stored in FLASH & executed from RAM

**Price: £1,554.96**

---