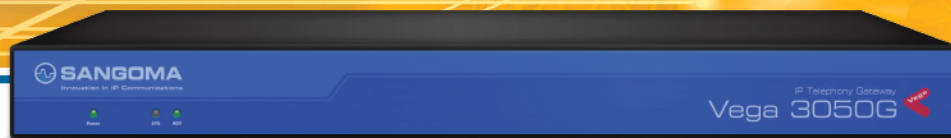


# Vega 3050G Analog Gateway



Take advantage of the newest Voice over Internet (VoIP) technology and achieve wide-ranging benefits, such as reduced telephone charges and transition costs, by seamlessly integrating your existing equipment with a Vega 3050G High Density Analog Gateway from Sangoma.

## The High Density 50 Port Vega 3050G Analog Gateway

The Vega 3050G is designed to simplify the integration of legacy phone systems to a VoIP network. The Vega 3050G connects a large quantity of analog handsets and devices to an IP network, typically either an Internet Telephony Service Provider (ITSP) or a corporate network.

**“Perfect solution for multi-dwelling units, hotels, and hospitals to seamlessly integrate a large density of analog handsets to an IP core, eliminating the cost of re-wiring infrastructure to migrate to IP phones.”**

### Quick Facts

- » 50 FXS Ports
- » Voice, FAX and Modem Support
- » EXCLUSIVE Local Survivability
- » Support for 2 FXO Ports using Expansion Module for Emergency PSTN Backup
- » Flexible Call Routing for Fallback & Least Cost Routing
- » Interoperability with a Wide Range of Legacy and IP Equipment
- » Optional Annual Support & Software Maintenance Plans



Front



Back

### ADVANCED CAPABILITIES

#### Local Survivability

This option enables continuity of service during WAN/SIP outages and may be configured to operate in a number of ways including:

- » Standalone proxy
- » IP device survivability
- » IP device call routing
- » SIP to SIP call routing
- » Emergency call routing

#### Open, Non-Proprietary Interfaces

##### The Vega 3050G Supports SIP and T.38 Fax

This gateway can be configured for different country requirements, such as tones and line impedance.

All Vega gateways have proven interoperability with a wide range of existing telecommunications and VoIP equipment.

#### Lifeline PSTN Backup

When fitted with the 2 FXO port expansion module, under power failure conditions they provide a hard-wired bypass to the FXS ports allowing PSTN calls.

### USE CASES

#### Service Provider Applications

- » Connect analog phones to hosted telephony platforms
- » Low-density PSTN gateway
- » Survivability for IP phones in case of wide area network (WAN) disruptions

#### Enterprise Applications

##### Enterprise VoIP Networking

- » Enterprise IP telephony gateway
- » Compatibility of legacy phones with IP-PBX and UC (Unified Communications) platforms

#### Density

With up to 50 FXS ports, and 2 FXO ports (with optional expansion board) in a chassis that is only 1U-high and half a rack deep, these gateways provide exceptional density.

## TECHNICAL SPECIFICATIONS

### Interfaces

#### VoIP Interface:

- » SIP
- » Fax support - up to G3 FAX, using T.38
- » Modem support - up to V.90, using G.711
- » Up to 50 VoIP channels
- » Audio Codecs:
  - > G.711 (a-law/μ-law)
  - > G.729a (8kbps)
  - > G.723.1 (5.3/6.4 kbps)
  - > G.726
  - > T.38

#### Telephony Interface:

- » 2x 25 FXS ports on an RJ-21 connector
- » 2x RJ-11 FXO ports on optional FXO expansion board
- » 600R, 900R or CTR-21 line impedance

#### LAN Interface:

- » 1x RJ-45 Gigabit Ethernet
- » 1000BaseT / 100BaseTx / 10BaseT, full / half duplex

#### USB Interface:

- » 1x USB 2.0 for extra storage

### Features

#### Telephony Features:

- » Call waiting
- » Call forward – unconditional, busy, no-answer
- » Call transfer – blind, consultative
- » 3-way conference
- » Do not disturb
- » Message waiting indicator – audible, visual
- » Music on hold
- » Executive barge
- » Caller ID presentation – UK, DTMF, Bellcore GR30, ETSI
- » Caller ID screening
- » SIP registration & digest authentication

#### Operations, Maintenance & Billing:

- » HTTP(S) web server
- » RADIUS accounting & login
- » Remote firmware upgrade
- » Auto configuration upgrade
- » SNMP V1, V2 & V3
- » TR-069
- » Syslog
- » TFTP/FTP support
- » VT100 – RS232/Telnet/SSH
- » Voice readback of IP parameters

#### Routing & Numbering:

- » Direct Dialing In (DDI)
- » SIP registration to multiple proxies
- » Dial planner – sophisticated call routing capabilities, standalone or gatekeeper/proxy integration

#### 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 tail)

#### Security & Encryption: \*Optional

- » \*Media – SRTP/ \*SIP – TLS
- » Management – HTTPS, SSH Telnet
- » Configurable user login passwords
- » Local Survivability

### Hardware

#### Certification:

- » EMC (CLASS B)
  - > EN55022
  - > EN55024
  - > FCC Part 15
  - > AS/NZS3548
- » Safety
  - > EN60950
  - > IEC60950
  - > UL60950
  - > AS/NZS60950

#### Environmental:

- » EMC (CLASS B)
  - > 0° .. 40°C
  - > 0% .. 90% humidity (non-condensing)

#### FXS Line Length:

- » 8 km at 1 REN, depending on environment

#### LED Indicators:

- » System: Power/System Ready/Activity
- » LAN: Speed/Activity

#### Dimensions:

- » 1U: 440mm (W) x 250mm (D) x 45mm (H)
- » Weight: 2.7kgs (6lbs)
- » Rackmount brackets supplied: 483mm

#### Power Supply:

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