

Vega 60G Media 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 60G Media Gateway from Sangoma.

Vega 60G Analog / BRI Gateway

The Vega 60G Media Gateway is designed to simplify the integration of analog phone systems or Basic Rate ISDN (BRI) devices to a VoIP network. It supports up to 8 analog ports, or up to 8 BRI lines (16 calls). The following gateway configurations are available as standard:

Analog

- » 4 FXS
- » 8 FXS
- » 4 FXO
- » 8 FXO
- » 4 FXO + 4 FXS

BRI/ISDN2

- » 2 BRI (4 Calls)
- » 4 BRI (8 Calls)
- » 8 BRI (16 Calls)

Each BRI interface can be independently configured as network side or terminal side. The Vega 60G Media Gateway can, therefore, be connected to both a PBX & the ISDN simultaneously. This configuration provides:

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

Quick Facts

- » 2-8 Ports, Analog or BRI
- » Flexible Call Routing for Fallback & Least Cost Routing
- » Emergency Backup with Enhanced Network Proxy Feature
- » Interoperability with a Wide Range of Legacy & IP Equipment
- » Voice, FAX & Modem Support
- » Automated Configuration with TR-069
- » Optional Annual Support & Software Maintenance Plans

ADVANCED CAPABILITIES

Local Survivability: Enhanced Network Proxy

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
- » Emergency call routing

Open, Non-Proprietary Interfaces

The Vega 60G Supports SIP and T.38 Fax

Vega 60G media gateways support ETSI BRI and standard analog loop start signaling. It 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.

USE CASES

Service Provider Applications

- » Customer premises gateway for SIP trunking
- » FXS endpoints for IP Centrex
- » Survivability for IP phones Enterprise Applications

Enterprise Provider Applications

- » Enterprise VoIP networking
- » PSTN trunking for IP-PBXs

CONTACT SALES
FOR RELEASE DATES



Front



Back*

*8 FXS Model

TECHNICAL SPECIFICATIONS

Interfaces

VoIP Interface:

- » SIP
- » Fax support - up to G3 FAX, using T.38
- » Modem support - up to V.90, using G.711
- » 8 VoIP channels for FXO / FXS
- » 16 VoIP channels for BRI
- » 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:

- » ETSI BRI
 - > 2x, 4x or 8x S/T interfaces presented on RJ-45
 - > Point to point or point to multipoint
 - > Each interface can be configured NT or TE
 - > High precision clock optional
- » Analog
 - > All FXS and FXO ports presented on RJ-11
 - > 600R, 900R or CTR-21 line impedance

LAN Interface:

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

Additional Interfaces:

- » 1x USB port for storage
- » 1x Serial console (RJ45) port (Serial cable provided)

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 & 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
- » Syslog
- » TR-069 / 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
- » FXS ports support call waiting & call transfer (blind & consultative)
- » NAT traversal

Local Survivability: Enhanced Network Proxy

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

Call Quality:

- » Adaptive jitter removal
- » Silence suppression
- » Type of Service (ToS)
- » Differentiated Services (DiffServ)
- » Comfort noise generation
- » 802.1p / Q VLAN tagging
- » 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

Hardware

Certification (Pending):

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

Environmental:

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

FXS Line Length:

- » 2000ohm, up to 8km (depending on environment)

LED Indicators:

- » LAN: Speed/Activity

Dimensions:

- » 1U: 200mm (W) x 127mm (D) x 43mm (H)
- » Weight: .8kgs (1.7lbs)
- » Rackmount ears supplied: 107mm (2 pieces)

Power Supply:

- » External 12V 24W AC/DC adapter