

Vega Series Analog/Digital Gateways



FEATURES:

- ☑ **EXCLUSIVE** Local Survivability
- ☑ GUI Interface for Quick Configuration
- ☑ Flexible Call Routing for Fallback and Least Cost Routing
- ☑ Emergency PSTN Backup
- ☑ Interoperability with a Wide Range of Legacy and IP Equipment
- ☑ Voice, FAX and Modem Support

Service Provider Applications:

- » Customer premises gateway for SIP trunking
- » Low-density PSTN gateway
- » Survivability for IP phones

Enterprise Applications:

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



The award-winning Vega series offers a broad range of IP-to-TDM stand-alone gateway devices designed to bridge disparate technologies easily and cost-effectively. Vega gateways provide the perfect answer for IP-based voice services and for connecting to service provider broadband networks or the PSTN.

Vega gateways support ISDN BRI, PRI, FXS, FXO, and E1/T1 line codes and protocols for installations ranging from small businesses to large enterprises. Easily deployed as Service Provider Customer Premises Equipment (CPE), the Vega appliances feature auto-detection and simple configuration. The Vega series also include models for multi-tenant applications via legacy telephone wiring and systems.

Vega Series	Vega 50	Vega 100G	Vega 200G	Vega 400	Vega 5000
VoIP Channels	4–16	Up to 30	Up to 60	Up to 120	24 or 50
Telephony Interfaces	FXO/FXS/BRI	1 T1/E1	2 T1/E1	4 T1/E1	FXS
Audio Codecs	<ul style="list-style-type: none"> • G.711 • G.729a • G.723.1 • G.726 • T.38 	<ul style="list-style-type: none"> • G.711 • G.729a • G.723.1 • G.726 • T.38 	<ul style="list-style-type: none"> • G.711 • G.729a • G.723.1 • G.726 • T.38 	<ul style="list-style-type: none"> • G.711 • G.729a • G.723.1 • G.726 • T.38 	<ul style="list-style-type: none"> • G.711 • G.729a • G.723.1 • G.726 • T.38

REFERRED BY:

AVAILABLE FROM:

CONTINUE READING »

TECHNICAL SPECIFICATIONS

Interfaces:

VOIP INTERFACES:

SIP

H.323 version 4 (Vega 50, Vega 400, Vega 5000 only)

Audio codecs:

- G.711 (a-law/ μ -law) (64 kbps)
- G.723.1 (5.3/6.4 kbps)
- G.729a (8kbps)
- G.726

FAX Support – up to G3 FAX, using T.38

Modem Support – up to V.90, using G.711

Up to 120 VoIP channels (depending on the model)

TELEPHONY INTERFACES:

ANALOG

- Vega 50: 1 FXO/FXS port per RJ-11
- Vega 5000: Up to 25 FXS ports per RJ-21
- 600R, 900R or CTR-21 line impedance

ETSI BRI

- 2 or 4 S/T interfaces presented on RJ45
- Point to point or point to multipoint
- Each interface can be configured NT or TE

Primary Rate ISDN (User configurable NT/TE):

E1

- Euro-ISDN
- VN4
- ISO QSIG
- CAS R2MFC
- CAS Private Wire (Vega 400 only)
- QSIG Feature Transparency (H.323) (Vega 400 only)

T1

- NI1/NI2
- CAS (RBS)
- AT&T 5ESS
- ISO QSIG
- DMS100
- CAS Private Wire (Vega 400 only)
- QSIG Feature Transparency (H.323) (Vega 400 only)

LAN INTERFACES:

2 RJ-45s, 1000BaseT (Vega 100G, Vega 200G only) / 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

H.323 gatekeeper registration (Vega50 & Vega400 only)

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/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

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)

SECURITY & ENCRYPTION:

Management – HTTPS, SSH Telnet

Configurable user login passwords

SIP/TLS and SRTP

Hardware:

CERTIFICATION:

EMC (CLASS B)

EN55022

EN55024

FCC Part 15

AS/NZS3548

SAFETY

EN60950

IEC60950

UL60950

AS/NZS60950

TELECOMS (ISDN)

E1: TBR4

T1: FCC Part 68

T1: CS-03

VCCI

PHYSICAL DIMENSIONS:

All units are standard 1U high and support rack mount

EXTERNAL POWER SUPPLY:

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

-48V DC, 1.2A (Max) available subject to MOQ (Optional)

PROGRAM STORAGE:

Code and configuration data are stored in FLASH and executed from RAM

Because Sangoma is continuously improving our products, features, design, specification or this data sheet may be modified without prior notice or obligation.