



Vega 100G and 200G are the Most Resilient Line of VoIP Gateways in their Class



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 100G or 200G Digital Gateway from Sangoma.

- Supports Dual Gigabit Ethernet Connections
- Branch Office Survivability
- Voice, FAX and Modem Support
- Flexible Call Routing for Fallback & Least Cost Routing
- Emergency PSTN Backup
- Interoperability with a Wide Range of Legacy & IP Equipment
- Available Annual Support & Software Maintenance Plans

◀ Choose the Right License for Your Business

With low density applications in mind, choose between our Vega 100G for 30 simultaneous calls or our Vega 200G for 60 simultaneous calls.

◀ Rapid Deployment

Every Vega VoIP gateway features a GUI based Installation wizard for rapid deployment. For high volume deployments the Auto Exec tool is perfect for auto configuration and firmware updates across multiple gateways.

◀ Local Survivability

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.

◀ Open, Non-Proprietary Interfaces

The Vega 100G and 200G support the following signaling schemes: ETSI, VN4, ISDN, NI1, NI2, AT&T 5ESS, DMS100, ISO QSIG Basic Call and QSIG Feature Transparency, Channel Associated Signaling (CAS), R2 MFC. All Vega gateways support SIP and T.38 Fax.

◀ Service Provider Applications

- Customer premises gateway for SIP trunking
- Survivability for IP phones Enterprise Applications
- PSTN trunking for IP-PBXs
- Low-density PSTN gateway
- Enterprise VoIP networking
- Enterprise IP telephony gateway



Technical Specifications

Interfaces

VoIP Interface

- SIP
- Fax support - up to G3 FAX, using T.38
- Modem support - up to V.90, using G.711
- VoIP channel capacity:
 - Vega 100G: 30
 - Vega 200G: 60
- Audio Codecs:
 - G.711 (a-law/u-law) (64 kbps)
 - G.723.1 (5.3/6.4 kbps)
 - G.729a (8kbps)
 - G.726
 - T.38

Telephony Interface

Primary Rate ISDN (User configurable NT/TE):

- T1
 - NI1/NI2
 - AT&T 5ESS
 - CAS (RBS)
 - DMS100
 - ISO QSIG
- E1
 - Euro-ISDN
 - ISO QSIG
 - VN4
 - CAS R2MFC

LAN Interface

- 2x RJ-45, 1000BaseT / 100BaseTx / 10BaseT, 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
- SNMP v1, v2c and partial v3 (USM authentication)
- TFTP/FTP support
- TR-069
- RADIUS accounting & login
- Remote firmware upgrade
- VT100 – RS232/Telnet/SSH
- Auto configuration upgrade

Routing & Numbering

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

Security & Encryption

- Management – HTTPS, SSH Telnet
- Configurable user login passwords
- SIP/TLS and SRTP

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)

Redundancy/Survivability

- Local Survivability - Business Continuity during WAN/SIP outage

Compliance

- EMC (CLASS A)
 - EN 55032:2012
 - EN 55024:2010
 - FCC Part 15
 - ICES-003
- Safety
 - EN 62368-1:2014
 - IEC 62368-1:2014
 - AS/NZS 62368.1:2018
- Telecom
 - TBR4
 - FCC Part 68
 - CS-03 – Part VI

Environmental

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

LED Indicators

- Power
- ISDN: NT/TE & link up
- LAN: Speed/activity

Dimensions

- Vega 100G/ 200G
 - 70mm (W) x 155mm (D) x 43mm (H)
 - Weight: 1.20kgs (2.64lbs)
 - Rackmount ears supplied: 107mm (2-pieces)

Power Supply

- External 12V (24W) AC/DC adapter