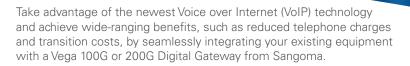


# Vega 100G and 200G are the Most Resilient Line of VoIP Gateways in their Class



- 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

Vega 100G

Vega 200G

## **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

