



Vega 3000G

The High Density 24 Port Analog Gateway

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Take advantage of the newest VoIP technology and achieve wide-ranging benefits, such as reduced telephone charges and transition costs, by seamlessly integrating your existing equipment with a Vega 3000G Analog Gateway..

The Vega 3000G is designed to simplify the integration of legacy phone systems to a VoIP network. The Vega 3000G connects analog handsets and devices to an IP network, typically either an Internet Telephony Service Provider (ITSP) or a corporate network.



✓ **24 FXS Ports**

✓ **8km Loop Length Capability**

✓ **EXCLUSIVE Local Survivability**

✓ **Flexible Call Routing for Fallback and Least Cost Routing**

✓ **Interoperability with a Wide Range of Legacy and IP Equipment: Voice, FAX and Modem Support**

✓ **Available Annual Support & Software Maintenance Plans**

✓ **Local Survivability for IP Phones**

In case of failures allow IP phones to still call each other and the PSTN if connected.

- Cost effective way to provide local resilience
- Works with all IP phones
- No impact to service in normal case
- Make emergency calls

✓ **Integrate Analog Devices with Hosted Services**

Offer hosted services to businesses with analog-based infrastructure.

- Hospitality
- Care home
- Military
- Student accommodations

Analog devices can be managed just like an IP phone. No on-premise equipment, fully managed, low monthly cost.

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 24 VoIP Channels
- ⦿ 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

- ⦿ 24 FXS ports on an RJ-21 connector
- ⦿ 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

Identification

- ⦿ 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
- ⦿ 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/DID)
- ⦿ SIP registration to multiple proxies
- ⦿ Dial planner — sophisticated call routing capabilities, standalone or gatekeeper/proxy integration

Security & Encryption *Optional

- ⦿ *Media — SRTP/*SIP — TLS
- ⦿ Management — HTTPS, SSH Telnet
- ⦿ Configurable user login passwords
- ⦿ Local Survivability

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)

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

Environmental

- 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: 270mm (W) x 155mm (D) x 45mm (H)
- ⦿ Weight: 1.5kgs (3.31lbs)
- ⦿ Rackmount ears supplied: 107mm (2 pieces)

Power Supply

- ⦿ External 12V (40W) AC/DC adapter

