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
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Teledphony 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

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