SANGOMA

Vega 60G Media Gateway

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 60G Media Gateway from Sangoma.

The Vega 60G Media Gateway is designed to simplify the integration of analog phone systems or Basic Rate ISDN (BRI) devices to a VoIP network. It supports up to 8 analog ports, or up to 4 BRI lines.

Interfaces

VoIP Interface:

» SIP
» Fax support - up to G3 FAX, using T.38
» Modem support - up to V.90, using G.711
» 8 VoIP channels for FXO / FXS
» 8 VoIP channels for BRI
» Audio Codecs:
  › G.711 (a-law/μ-law)
  › G.729a (8kbps)
  › G.723.1 (5.3/6.4 kbps)
  › G.726
  › T.38

Telephony Interface:

» ETSI BRI

  › 2x or 4x S/T interfaces presented on RJ-45
  › Point to point or point to multipoint
  › Each interface can be configured NT or TE
  › High precision clock optional

» Analog

  › All FXS and FXO ports presented on RJ-11
  › 600R, 900R or CTR-21 line impedance

LAN Interface:

» 1x RJ-45 Gigabit Ethernet 1000BaseT / 100BaseTx / 10BaseT, full / half duplex
» PoE option available on some models
» Dual LAN port option available

Additional Interfaces:

» 1x USB port for storage
» 1x Serial console (RJ45) port (Serial cable provided)

Features

Local Survivability:

» Standalone proxy
» IP device survivability
» IP device call routing
» Emergency call routing

Telephony Features:

» 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 & screening
» SIP registration & digest authentication

Operations, Maintenance & Billing:

» HTTP(S) web server
» RADIUS accounting & login
» Remote firmware upgrade
» Auto configuration upgrade
» SNMP V1, V2 & V3
» Syslog
» TR-069 / TFTP / FTP support
» VT100 – RS232 / Telnet / SSH
» Voice readback of IP parameters

Routing & Numbering:

» Direct Dialing In (DDI)
» SIP registration to multiple proxies
» Dial planner – sophisticated call routing capabilities, standalone or gatekeeper / proxy integration
» FXS ports support call waiting & call transfer (blind & consultative)
» NAT traversal

Security & Encryption:

» Media – SRTP
» Management – HTTPS, SSH Telnet
» SIP – TLS
» Configurable user login passwords

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)

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Hardware

Certification:

» EMC (CLASS B)
  › EN55022, EN55024 & FCC Part 15

» Safety
  › EN60950, IEC60950 & UL60950

Environmental:

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

FXS Line Length:

» 2000ohm, up to 8km (depending on environment)

LED Indicators:

» LAN: Speed/Activity

Dimensions:

» 1U: 200mm (W) x 127mm (D) x 43mm (H)
» Weight: .8kgs (1.7lbs)

Power Supply:

» External 12V 24W AC/DC adapter

Capitalize on Vega VoIP Gateways from Sangoma

Vega Gateways are the most resilient gateways in their class, automatically re-routing calls to SIP and PSTN failover during catastrophic failure and maintaining internal phone connectivity. All features included in all Vega Gateways. No hidden costs for transcoding capabilities, VoIP / PSTN port or failover features.

BUILT-IN LOCAL SURVIVABILITY

In the event of a VoIP failure, the Vega Gateway will allow internal extensions to continue calling each other and automatically route to a failover PSTN connection if available.

SIMPLIFIED DEPLOYMENT

All Vega Gateways have a Quick Wizard to quickly and easily deploy, eliminating the need of IT admin and complicated setup process.

HIGHLY INTEROPERABLE

All Vega Gateways support the standard VoIP/SIP protocol and have built-in transcoding so you can trust that your phone calls and faxes will work even in challenging environments.

LONG LINE LENGTH

Analog Vega Gateways allow you to install up to 8km away from the phones so you store your Vega in the same IT closet as the rest of your equipment.

Become a Sangoma Partner

Provide your customers with outstanding VoIP and Unified Communications quality products that deliver industry-leading value. As an Empowered by Sangoma Partner, you'll get the help you need to grow your business and the incentives you want to make it easy to win sales. Incentives include:

» The Best Products & Services at the Best Value
» Exceptional Margins to Grow Your Business with Us
» Priority Support for Fastest Possible Response Time
» Dedicated Staff at Your Side
» Empowered Training Opportunities
» Access to an Exclusive Online Portal of Information

e^mpowered by SANGOMA

> " Winning the business is easy with Sangoma's line of products, and we get compelling margins as an Empowered by Sangoma Partner. "
>
> **Jim Goebel, CEO, SoTel Systems**
> *Empowered by Sangoma Distributor (U.S.)*

About Sangoma

Sangoma Technologies Corporation, is a trusted leader in delivering globally scalable Voice-Over-IP telephony systems, both on-site and cloud-based.

As the communication landscape evolves and businesses invest in new strategies to provide effective communications, Sangoma Technologies is your trusted partner; delivering Unified Communications solutions for SMBs, Enterprises, OEMs, Carriers, and service providers.

Sangoma's globally scalable offerings include both on-site and cloud-based business communication systems, SIP trunking, IP Phones, Gateways, Session Border Controllers and Telecom Interface Cards. Together, these provide seamless connectivity between traditional infrastructure and new technologies. Businesses can achieve enhanced levels of collaboration, productivity and ROI by partnering with Sangoma.

Founded in 1984, Sangoma Technologies Corporation is publicly traded on the TSX Venture Exchange (TSX VENTURE: STC).

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