

TeleQuill Trunk Media Gate Way/ Media Gateway (TMGW)

FEATURES

- Multiple applications
- Carrier-class communications
- Cost-effective technology
- Wireline/wireless convergence
- High capacity
- High reliability

PRODUCT DESCRIPTION

The TeleQuill Trunk Gateway lets you offer enhanced IP-based telephony services even as you migrate to a new infrastructure - without disrupting service or subscriber dialing patterns. The TG's main role is to serve as a voice/data/fax bridge between IP networks and legacy PSTN/ wireless networks. It functions seamlessly and transparently with the legacy PSTN, providing maximum scalability and cost- efficiency.

- As an integral part of the TeleQuill product family, the Trunk Gateway delivers distributed, superior voice communication over IP networks. Working in concert with other TeleQuill products, the TG offers an end-to- end packet telephony solution that provides toll- quality voice and enhanced services. And because the TG platform supports thousands of DS0s, it can be easily deployed in a nationwide core-packet network to transport voice traffic between central offices.

The TG also enhances availability by combining software resiliency and hardware redundancy to create a robust and highly available solution. The TeleQuill Trunk Gateway has proven itself in the field, servicing billions of minutes of live traffic.



357D, Udyog Vihar Industrial Area
Phase VI, Sector 37, Gurugram,
Haryana 122004



sales@alphabridge.tech
support@alphabridge.tech
Toll Free Number 1800 419 8755

Alpha Bridge[®]
Technologies

We are a rapidly developing OEM with a focus on R&D, Patents, and State-of-the-art networking products including hardware and software development

➤ Key Features and Benefits

- **Multiple Applications:** Supports applications such as packet toll and packet access tandem, voice off-load, mobile switching Trunking, and IP-based enhanced services Trunking. Supports the convergence of wire line, wireless and IP by providing connectivity to PSTN/PLMN, thereby extending the reach of IP networks and enabling ubiquitous service.
- **Carrier-Class Communications:** Utilizes TeleQuill's industry-leading expertise in switching, digital signal processing, PSTN signaling and IP networking to provide real-time communications capability over IP-based networks.
- **Cost-Effective Technology :** Leverages a design approach that rides the technology cost/performance curve, enabling purpose-built hardware that achieves high scalability and excellent performance at low cost.
- **Wireline/Wireless Convergence:** Integrates seamlessly with the PSTN/PLMN to deliver toll-quality voice and a complete suite of value-added services.
- **High Capacity:** Enables a modularized, cost-effective solution scalable to more than 16,000 DS0 ports in a fully configured chassis.
- **High Reliability:** Uses a NEBS-compliant design that includes hot swappable redundant modules and power supplies as well as redundant management, IP Packet and H.248 interfaces, and support for in-service software upgrades.
- **Standards Based: Complies** with the IETF Megaco (ITU H.248) standard and is SNMP manageable.
- **Field Proven :** Employs an architecture that serves over 30 million subscribers



357D, Udyog Vihar Industrial Area
Phase VI, Sector 37, Gurugram,
Haryana 122004



sales@alphabridge.tech
support@alphabridge.tech
Toll Free Number 1800 419 8755



Alpha Bridge[®]
Technologies

We are a rapidly developing OEM with a focus on R&D, Patents, and State-of-the-art networking products including hardware and software development

SPECIFICATIONS:

➤ System Chassis

Dimensions: 24.5"x19"x17" (14U rack mountable) Temperature: -5° to 55° C (operating)

Humidity: 5 to 95% non-condensing Power: -40 to -60v DC

Rack Capacity: Up to two shelves per standard 7-ft rack

➤ Capacity per TMGW

E1 or T1 IM: Up to 1664 per TMGW (four chassis cascading as one MGW) OC3/STM-

1: Up to 52 per TMGW (four chassis cascading as one MGW)

Cascading: Up to four chassis

➤ IP Interfaces:

RTP Traffic: Redundant Gigabit Ethernet

Management: Redundant Gigabit Ethernet

Call Control: Redundant Gigabit Ethernet

Clock: Redundant E1 or T1* BITS-IN and Stratum-3

➤ Digital signaling processing:

G.711 G.723.1 G.726* G.729A and B/ AMR/AMR-WB* /FAX over G.711 T.38

Transcoding between G.711 and G.723.1 / G.729A/B

Silence Suppression

Jitter Buffer

G.168 Echo Cancellation Voice Activity Detection (VAD)

Comfort Noise Generation (CNG) In-band DTMF over G.711

RFC2833/4733 Out-of-Band DTMF

Standards / Protocols:

Megaco / H.248

SNMP

IP/UDP/TCP/RTP/RTCP RTCP

COT

High Reliability: Hot swap / redundant modules,

Redundant DC feeds

1+1 hot swap / load-sharing power supplies

Management:

GUI interface for provisioning

SNMP network manageability for configuration, monitoring and troubleshooting In-service software upgrades



357D, Udyog Vihar Industrial Area
Phase VI, Sector 37, Gurugram,
Haryana 122004



sales@alphabridge.tech
support@alphabridge.tech
Toll Free Number 1800 419 8755



Alpha Bridge[®]
Technologies

We are a rapidly developing OEM with a focus on R&D, Patents, and State-of-the-art networking products including hardware and software development