



TOPEX miniGateway

Seamless migration path from legacy
TDM network to VoIP

Compact VoIP gateway

IP communications for up to 60 channels

Asterisk[®] support for IP PBX features

Friendly user administration interface



TOPEX miniGateway (mG) is a VoIP Media Gateway with maximum capacity of 60 concurrent calls.

mG provides a flexible solution for VoIP business featuring SIP, H.323, MGCP protocols, providing both switching and IP PBX services using Asterisk[®] software.*

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Benefits

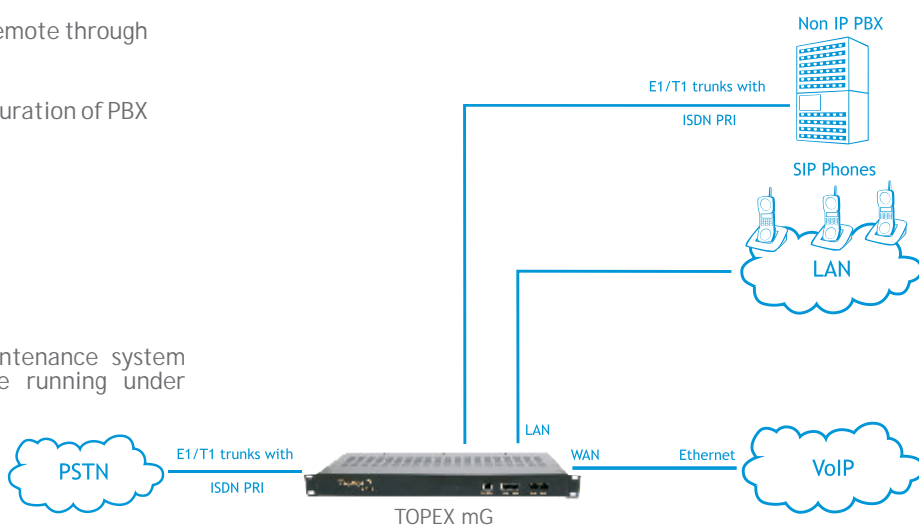
- Deployable in both SIP and H.323 VoIP Networks.
- Least Cost Routing.
- Multiple Voice Codecs.
- Fax pass-through ("in band") service.
- Small size, very compact, simple and quick installation.

Features

- 2xE1 to VoIP compression, providing up to 60 simultaneous voice channels.
- All equipment functions are accomplished by a single main card - the PGVoIP card.
- Voice and data connections - VoIP service.
- Fax pass-through ("in band") service.
- LAN and WAN interfaces.
- 2 x E1 channels.
- Uses SIP or H.323 protocols for VoIP.
- Direct configuration through the serial port or remote through SSH.
- Asterisk® 1.4.0 - beta 2 enabling custom configuration of PBX services**
- 60 voice channels for the G.711 codec (full E1).
- 30 voice channels for the G.729ab codecs.
- 24 voice channels for the G.723.1 codecs.
- Advanced Operation, Administration and Maintenance system (O.A.M. application - Graphical User Interface running under Windows OS)*.
- Built in transcoding capabilities.

Applications

- IP PBX with Asterisk® **
- VoIP - PSTN Gateway
- Call Center
- IVR
- Voice Mail
- Unified Messaging
- Upgrades of non IP PBX to VoIP



Technical Specifications

Console:	Serial connection for debugging RJ-45 connector labeled Console
LAN Interface:	One Ethernet 10/100 port
WAN Interface:	One Ethernet 10/100 port
Optical indicators:	Two LEDs software programmable
E1:	2 RJ-45 connectors (E1/A and E1/B) PCM with 30 channels, bit rate 2,048 Mbps conforms to G.703 and G.704 ITU-T (CCITT) standards A-Law and μ -Law encoding
Line impedance:	75 or 120 Ohm
signalling protocols supported:	DTMF, ISDN-PRI VoIP: H323 and SIP Custom signalling for local or special applications

Codecs used / number of simultaneous channels:	G.711-up to 60 voice channels (full E1) G.723.1, G.729ab-up to 30 voice channels
VoIP protocols supported:	SIP, H323, IAX, MGCP SIGTRAN, MEGACO/H.248
Power supply:	100 Vac - 240 Vac/50-60 Hz
Consumed power :	12 Watt
Dimensions (L x W x H):	480 x 262 x 44,4 mm except protrusions
Operating temperature range:	5 to 50 degrees C
Humidity:	10 to 85 % , non-condensing

* Windows is a registered trademark of Microsoft Corporation

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