Topex
everything connects

TOPEX VoiBridge

NEW PRODUCT

VoIP to GSM/UMTS gateway

Interconnection with IP-PBXs based on SIP and H323

Advanced call-routing engine

Mobility Extension

Main Features

- Capacity:
1. BASIC:
- up to 4 GSM/ UMTS channels
- up to 4 SIM cards (1 SIM per channel)

2. Extended: up to 12 GSM/UMTS*

- H323 and SIP supported

- Advanced incoming call routing based on Caller- ID

- Advanced call-routing of outgoing calls

- SIM Server Ready

- Advanced security with integrated firewall

Benefits

- Supports up to 4 cellular operators

- No need to add any other gateway

- Simple integration with VoIP networks

- Least Cost Routing

- Fast return of investment

Topex VoiBridge is a VoIP to GSM/UMTS small capacity gateway. Its main functionality is to interconnect VoIP networks with mobile networks. With Topex VoiBridge you make significant savings on calls from IP to GSM networks and backwards.
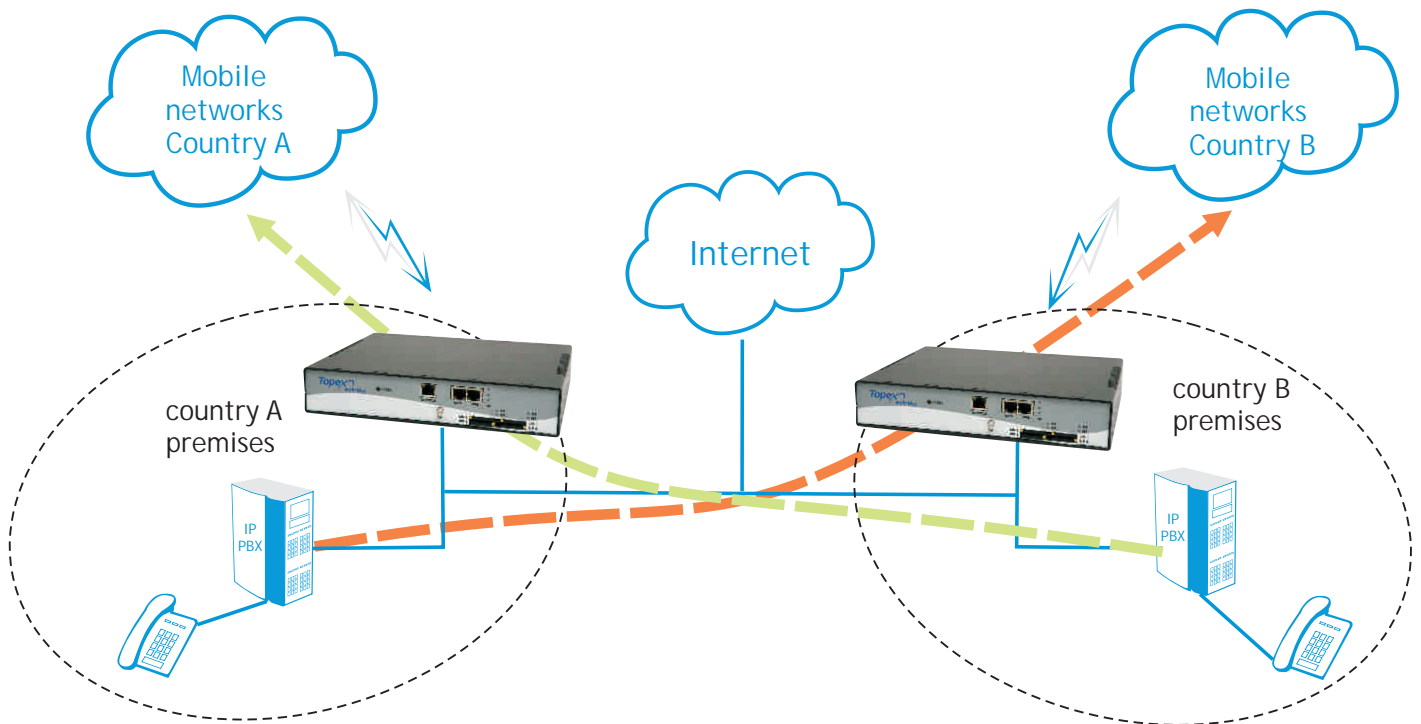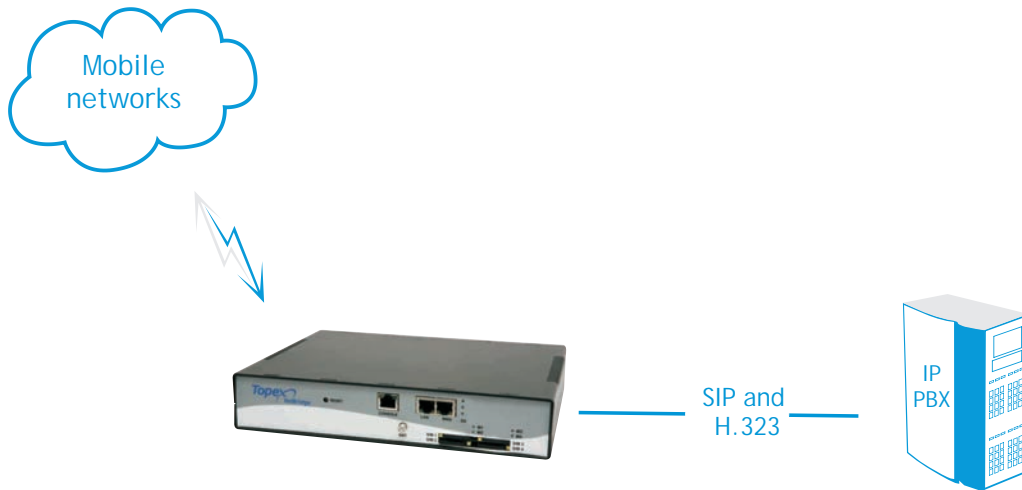
* only with new hardware

Features

- Available in multiple configurations:
  - 2 channels VoIP to GSM gateway
  - 2 channels VoIP to UMTS gateway
  - 4 channels VoIP to GSM gateway
  - 4 channels VoIP to UMTS gateway

- Least Cost Routing by: prefix, time and date, SIM usage (load balancing), portability info or Caller-ID

- Works with any IP-PBX or Softswitch based on SIP or H323 protocols (e.g. Topex multiSwitch, Topex IP-PBX, Asterisk™, Cisco Call-Manager™, etc)

- Mobility Extension Feature – allows for mobile phones act as PBX interior lines

- SIM Server Ready – works with Topex SIM Server

- NAT Traversal capabilities

- DISA with customer predefined voice navigation messages

- Number portability integration with external database

- Can convert SIP to H323 and H323 to SIP

- Advanced SMS capabilities

- Send SMS with OAM application

- Send SMS to groups of mobile numbers

- SMS to E-mail and Email to SMS

- Missed calls notifications by SMS for Mobility Extension numbers

- Advanced Callback functions – by ring or SMS

- Integrated LAN and WAN port - possibility to use public and private IP addresses

- SNMP integration – allows for remote configuration via SNMP protocol

- Billing: persistent, easy to access

- Configurable alarms by e-mail, SMS or phone call in case of low ASR or hardware failures

- Advanced OAM system accessible over IP

- Live traffic monitoring

- Traffic generator

- Statistics: ASR, ACD

- Can be configured via SSH

- Can be configured via direct serial access

- Full control (root access): troubleshoot, update software, customize/extend system

Applicability:

- Gateway between mobile networks and VoIP networks

- SOHO solution for interconnecting IP telephony with mobile networks

- Enterprise IP telephony convergence solution

- Mobile operators offering their services to Business Customers with IP telephony infrastructure

- Telesales centers calling mobile networks

Applications:

Mobile networks

SIP and H.323

IP PBX

Mobile networks Country A

Internet

Mobile networks Country B

country A premises

country B premises

IP PBX

IP PBX

Technical Specifications

Product Name:	TOPEX VoiBridge
Mechanical construction:	Aluminium rack with cooling fans on the back
Ethernet Capacity :	2 Ethernet 10/100 BaseT ports
COM port:	1 COM (Rs232) port for direct access on the system (linux console)
VoIP interface:	2 RJ 45 connectors for 10/100 ETH 2 or 4 simultaneous voice channels
Mobile interface:	GSM: 2 or 4 modules (quad band: 850/900/1800/1900 MHz) UMTS: 2 or 4 modules (2100 MHZ)
Signaling protocols supported:	SIP v.1,v.2, H323 v.2, v.4
VoIP codecs used:	G.711, G.723.1, G. 726, G.729
Mobile networks codecs used:	All GSM or UMTS codecs used by mobile networks
Antenna for mobile networks:	1 collective antenna (GSM or UMTS) with integrated splitter
Power supply:	AC input voltage: 90 - 264 Vac/1.6 A DC output voltage: +5 V/0.5 - 4 A +12V, 0.5 - 2 A -12 V, 0.1 - 0.5 A
Dimensions (L x W x H):	200 x 260 x 48.25 mm
Operating temperature range:	5 to 50 degrees C
Humidity:	10 to 85 % , non-condensing