Topex
everything connects

TOPEX VoxiPlus Advanced

All-in-one gateway between VoIP, ISDN and GSM/UMTS networks

Scalable configuration - 4 to 12 GSM channels

Very powerful LCR device

2 x E1 interfaces (IN & OUT)

Embedded GSM/UMTS modules

Advanced call routing mechanism

NEW PRODUCT

Topex VoxiPlus Advanced is a cellular gateway that enables cost-efficient connectivity between GSM, VoIP, ISDN and analog networks.

With Topex VoxiPlus Advanced you start saving from day one after installation by reducing the cost of communications. The cost of local and international fixed to mobile calls are reduced to the cost of a regularly mobile to mobile call.

Due to the scalability properties you can create the best voice solution according to your needs

Benefits:

● Interconnect with multiple carriers while using only one gateway
● Take advantage of mobility while using company fixed and mobile lines
● Continue using your ISDN PBX while taking advantages from interconnection with VoIP and GSM/UMTS and ISDN networks
● Use of your IP telephony solution while taking advantage from interconnection with ISDN, GSM/UMTS and VoIP networks
● Both SIP and H323 protocols supported
● T.38 and pass-through (G.711) Fax protocols
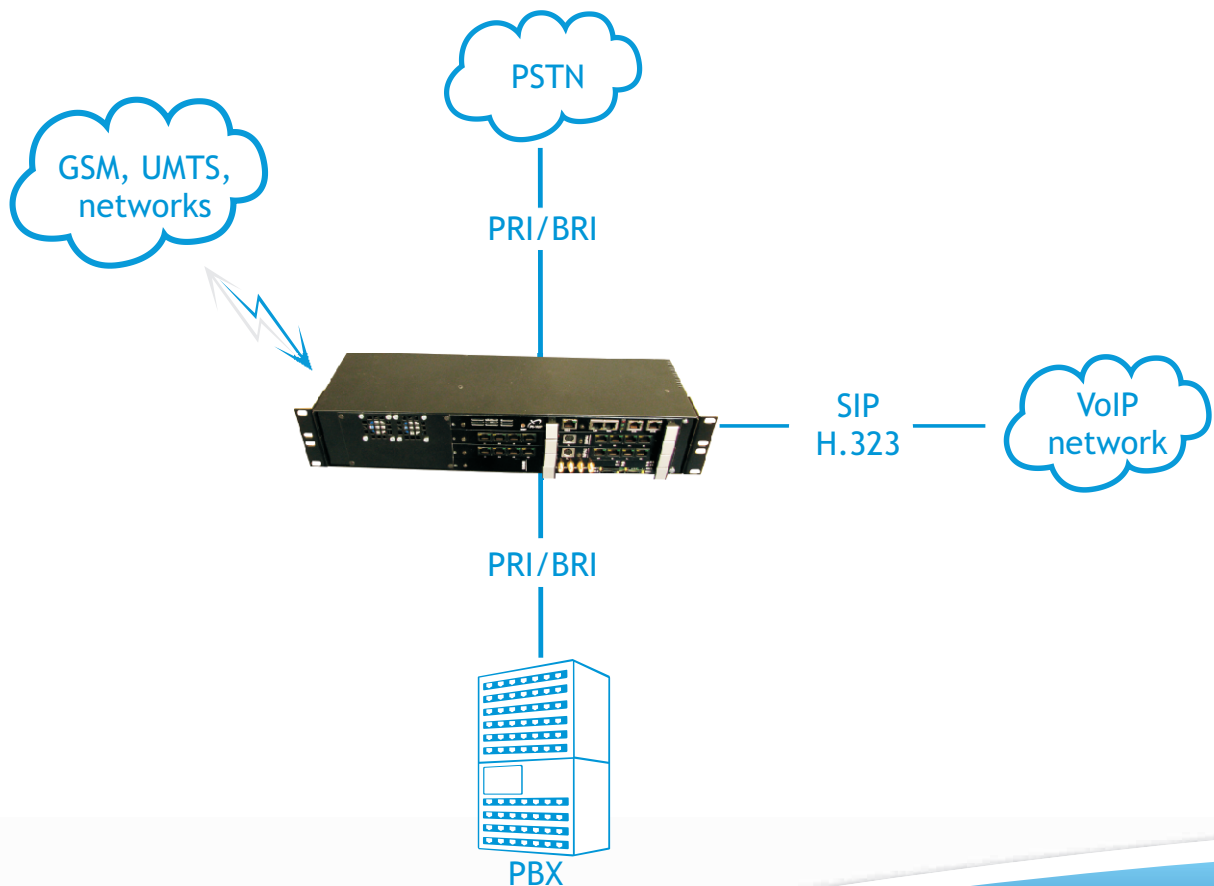
Main Features

- Capacity:
  - Up to 30 VoIP channels
  - ISDN(2 PRI / 4 BRI) or analog (8x3 FXS/FXO) interfaces
  - 12 GSM or UMTS channels
  - 12 SIM cards

- Worldwide use covering all GSM/UMTS/HSDPA frequencies:
  - GSM: 850/900/1800/1900 MHz
  - UMTS/HSDPA: 850/1900/2100 MHz

- Up to 3 cellular boards - 4 GSM / UMTS channels per board

- VoIP, PRI and GSM on the same platform

- Advanced call-routing of both incoming and outgoing (any-to-any between VoIP, ISDN and Mobile)

- Advanced security with integrated firewall

- SIM Server Ready - compatible with TOPEX SIM Manager

- E-mail, SMS and Voicemail integration

Features

- Available in multiple configurations:

  - VoIP interface, 2-PRI and 4,8 or 12 GSM channels
  - VoIP interface, 2-PRI and 4,8 or 12 UMTS channels
  - VoIP interface, 4-BRI and 4,8 or 12 GSM channels
  - VoIP interface, 4-BRI and 4,8 or 12 UMTS channels

- Analog interfaces FXS/FXO

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

- Works with IP-PBXs or Softswitchs based on SIP or H323 protocols(e.g. Topex multiSwitch, Topex VoisTel, Asterisk™, Cisco Call-Manager™,etc), hybrid PBXs with VoIP trunks or legacy PBXs

- SIM Server Ready – works with Topex SIM Manager

- 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 through OAM application
  - Send SMS to group of mobile numbers
  - SMS2E-mail and E-mail2SMS

- Advanced Callback functions – by ring or SMS

- Fax2Email and Email2Fax services*

- Voicemail2Email feature

- Integrated LAN and WAN ports

- 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

* on development

Applications:

- All-in-one and any-to-any:
  - Gateway between VoIP and ISDN Networks
  - Gateway between VoIP and Mobile Networks
  - Gateway between ISDN and Mobile Networks

- SME solution for interconnecting existing classic PBX solution with VoIP, ISDN(PRI or BRI) and GSM/UMTS networks

- SME solution for interconnecting existing IP-PBX solution with VoIP, ISDN(PRI or BRI) and GSM/UMTS networks

- Mobility Extension Solution for company PBX

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

- Fixed line operators that offer their services to Business Customers with IP telephony infrastructure

- Alternative VoIP operators that offer their services to Business Customers with telephony infrastructure

- Telesales centers calling fixed and mobile networks

Technical Specifications

Product Name:	TOPEX VoxiPlus Advanced
Mechanical Construction:	Aluminum rack with cooling fans on the back
Ethernet Ports:	Two Ethernet 10/100-Base T port
Serial Port:	One COM (RS 232) port for direct access on the system (Linux console)
Mobile Networks Card:	GSM: up to 12 GSM channels (quad-band 850/900/1800/1900 MHz) UMTS: up to 12 UMTS(850/1900/2100 MHz)
Antennas for GSM or UMTS:	One collective antenna with integrated splitter
E1 Interfaces:	2 x 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 ohms
BRI interfaces	4 ports-two 64 kbit/s voice channels each
Mobile Codecs:	Supports all the codecs used in GSM and UMTS networks
Mobile Interface:	1SIM card/module GSM/UMTS
VoIP Interface:	2 RJ 45 connectors for 10/100 ETH Supported voice codecs : G.711 (A and µ Law), G.723.1, G.729a, G.729b, G.729ab
Signaling protocols supported:	SIP v.1,v.2, H323 v.2, v.4, PRI((ETSI EUROISDN) E1 CAS (DTMF, MFC-R2) MFC R2 ATS, R1, R1.5, R2
Power supply:	Input: 90 - 264 Vac/1.6.A
Dimensions (L x W x H):	480 x 260 x 90 mm
Weight:	max 5 kg
Operating temperature range:	5 to 50 degrees C
Humidity:	10 to 85 % , non-condensing