



## **TOPEX Voxell ISDN Family**

3G voice and SMS gateway  
Least Cost Routing



### **Benefits**

- Using the automatic routing of the digital PBX, any call with a mobile network destination will be routed through Voxell ISDN. This way the fixed-mobile calls are converted into mobile-mobile calls inside the same network with substantially reduced cost.
- Fixed calls to own mobile fleet become group calls.
- Using external antenna offers excellent voice signal quality.
- Small investment, fast savings.
- Easy and simple install.
- Convergent messaging: SMS and e-mail.

Fixed-cellular terminal for voice that can connect one PBX with ISDN-BRI ports or an ISDN telephone to 3G networks.

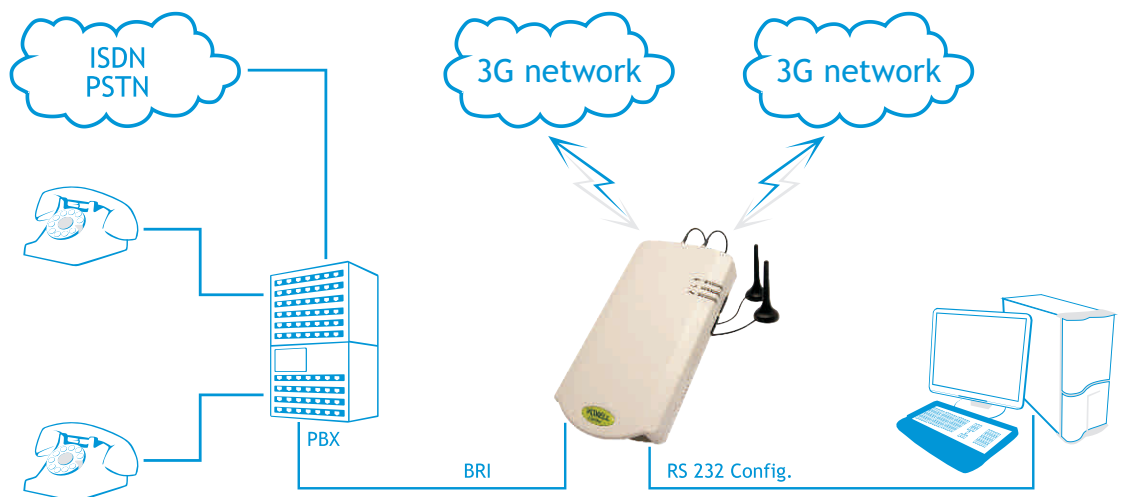
## Features

- The main functionality of Voxell ISDN is to connect ISDN PBXs and phones with one or two 3G mobile networks. The digital PBX is connected to Voxell ISDN through an ISDN-BRI interface (two voice channels at 64kbps).
- 2 simultaneous voice calls via 3G network.
- It features one or two 3G modules and two ISDN (NT + TE) ports.
- It may be used either with a ISDN PBX or with ISDN telephone.
- Acts as a bi-directional bridge between ISDN BRI and 3G network.
- Advanced call management (calling line identification presence or restriction).
- Maintenance from PC through Voxell ISDN serial port.
- Connected to a computer, Voxell ISDN allows sending and receiving SMS.

- Supports call-back functions based on caller identity.
- Connected to a PC, Voxell ISDN can send SMS to an e-mail account or send e-mails like SMS (mail2sms and sms2mail).

## Applications

- Fixed line substitution with voice .
- PBX connection for Least Cost Routing.
- Business SMS automation and convergent messaging.



## Technical Specifications

Product name:	TOPEX Voxell ISDN
Frequency bands:	UMTS/UMTS 2100MHz GSM/GPRS 900/1800 MHz
Receiver sensitivity:	104 dBm
Impedance:	50 Ohm
Antenna type:	2 external magnetic base antennas with 3m long cable
Power:	Input: 230 VAC +/- 10%, 50 to 60 Hz Output: 10 VAC / 1.5 A
ISDN NT Interface:	One RJ 45 connector

ISDN TE Interface:	One RJ 45 connector
ISDN Protocol:	EuroISDN, DSS - 1
ISDN Programming type:	RS-232C
Serial connector:	dedicated RJ-45, female
Weight:	500 g equipment 1 Kg whole package
Dimensions (L x W x H):	220 x 115 x 30 mm
Operating temperature range:	5° to 50° C
Humidity:	10 - 80 % RH, non-condensing