2N UMTS Products

Cast off wires forever!

2N TELECOMMUNICATIONS

- **UMTS solutions for everyone**
  - SOHO
  - SME
  - and LMC customers **

- **Cost savings on calls**

- **Sending/receiving SMS**

- **LCR - Least Cost Routing**

*** In 2N® EasyGate UMTS USB version*

UMTS products enable you to communicate and transfer high-speed data without wires using only a UMTS/3G network. They provide a way to decrease your telecommunications costs. We provide two kinds of UMTS products, for voice only and for voice and data at the same time.

For voice and data communication at the same time using a UMTS network we offer*:
2N® EasyGate UMTS USB which includes a USB interface and provides ADSL line replacement. For just voice communication using a UMTS network we offer 2N® BRI Lite and 2N® BRI Enterprise for small companies with digital BRI connection, 2N® StarGate for medium-sized and large companies with digital PRI connection and 2N® VoiceBlue Lite gateway for small and medium-sized companies with digital VoIP connection or VoIP PBX.

*For voice and data communication at the same time we offer products such as 2N® OfficeRoute – all in one UMTS solution, 2N® EasyRoute as an UMTS Wi-Fi Hot Spot solution and 2N® Omega Series UMTS as a UMTS PBX. Each of them has a special leaflet.

2N®EasyGate UMTS USB
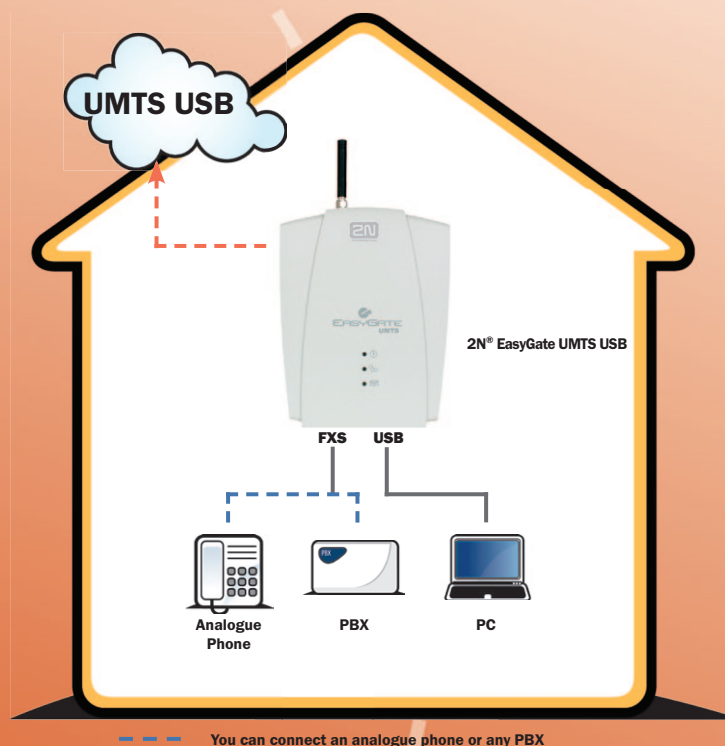## Mobile solution that works anywhere

2N® EasyGate UMTS USB Case Study:

- High-speed data connection (up to 7.2 Mbps) and phone calls at the same time

- Data over a USB interface

- One FXS interface (for analogue phone or PBX external line)

- No limitation of being tied to one location

Extra Features:

- * UMTS/HSDPA 2100 MHz (optionally 850 MHz, 1900 MHz, 2100 MHz)

- GSM/GPRS/EDGE: 850 MHz/900 MHz/ 1800 MHz/1900 MHz

- RS232 for configuration and upgrading FW

- DTMF/Pulse dialling

- Routing Table for outgoing calls

- * BabyCall function for calling without dialling the number

A complete communications solution for homes and small offices, which provides the same services as a fixed line including high-speed data and voice services.
2N® EasyGate UMTS USB is a wireless voice and data solution over 3G.

UMTS USB

2N® EasyGate UMTS USB

FXS   USB

Analogue   PBX   PC
Phone

– – – You can connect an analogue phone or any PBX

UMTS / GSM	
UMTS module, bandwidth	UC 864-E UMTS 2100, EGSM 850 / 900, GSM 1800 / 1900 MHz, UC 864 - G UMTS 850 / 1900 / 2100, EGSM 850 / 900, GSM 1800 / 1900 MHz
Transmission power	0.25W UMTS 850 / 1900 / 2100 MHz, 2 W EGSM 850 / 900 MHz, 1W GSM 1800 / 1900 MHz
Receiver sensitivity	-108.2 dBm UMTS 850 / 1900 / 2100 MHz -107 dBm GSM 850 / 900 MHz -106 dBm GSM 1800 / 1900 MHz
Audio	HR + FR + EFR + AMR Half rate + Full rate + Enhanced full rate + Adaptive multirate
DATA	WCDMA / HSDPA category 8, MS Class A (Simultaneous Voice and Data), downlink max. 7.2 Mbps, EGPRS / GPRS Class 12, MS Class B, 85.6 kbps downlink CSD max. 14.4 kbps
Antenna	850 / 900 / 1800 / 1900 / 2100 MHz 50 W SMA antenna connector
USIM	card 3V plug-in
UMTS / GSM	
Mains supply	230 / 12V; 2A adaptor
DC power supply	10 to 16V DC
12V consumption	Standby 100mA, Call max. 650mA, Data max. 950mA
Supply connector	DC Jack 2.1mm

TELEPHONE INTERFACE	
Interface type	2-wire analogue, FXS
Phone connector type	RJ 12, 6/2
Call impedance	600 Ω
Loop voltage	48 V DC
Loop current	max. 40 mA
Loop resistance	max. 800 Ω
Tone frequency	adjustable, default 425 Hz
Dialling type	tone (DTMF) and pulse
Ringing voltage	42 Vrms 50 / 25 Hz
Calling line identification	CLI during ringing according to ETSI FSK
Tariff pulses	f = 16 / 12 kHz ; Umin = 100mVef on 200 Ω
Answer supervision	polarity reversal, 12 / 16 kHz pulses
INTERFACE SERIAL	
Interface	type USB 2.0 full speed interface, RS - 232C (only for upgrade)
Connector	USB type B, D - Sub 9 pins; (only for upgrade)
OTHERS	
Dimensions (w/o con.)	170 x 130 x 45 mm
Operating temperature	0°C to 45°C
Operating status signalling	3 LEDs (on, GSM network, line)