



# 2N® EasyGate UMTS USB

## Mobile solution that works anywhere

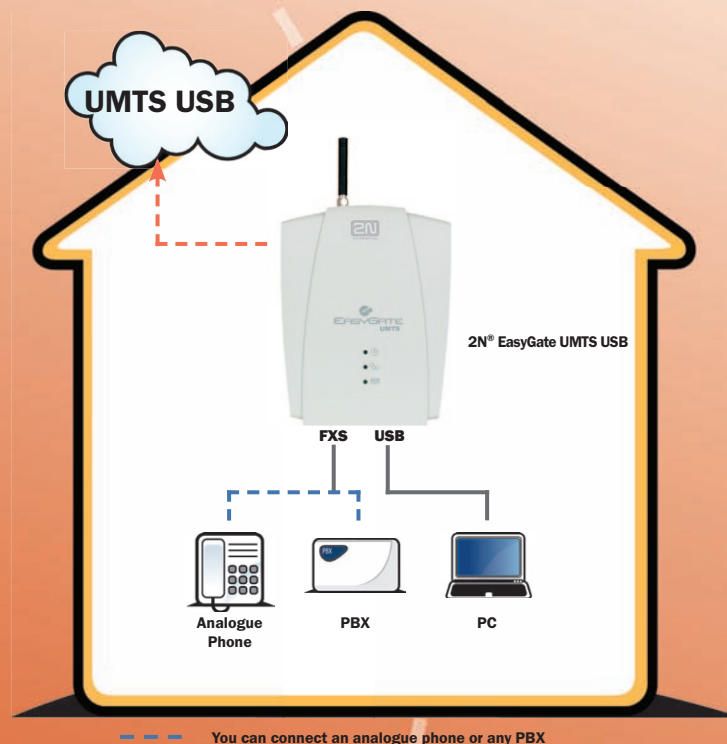
### 2N® EasyGate UMTS USB Case Study:

- 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 / 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)