



# 2N® EasyRoute

From ADSL cable to UMTS wireless solution



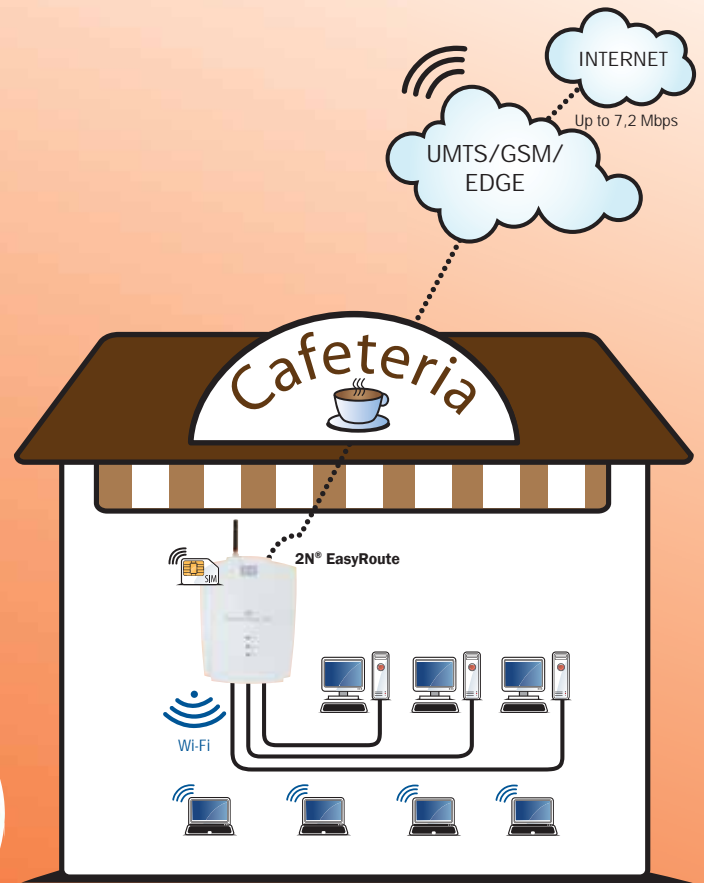
- Do you have the option of a fixed line Internet access?
- Would you like to be online and make a call at the same time using one device?
- Would you like to have wireless Internet access for all the computers in your home/restaurant/office?

**2N® EasyRoute can offer a 3G solution for SME Businesses that do not have access to fixed line high-speed data connection.**

With 2N® EasyRoute you can provide Internet access to all computers in the office, at home or in a restaurant. The computers can be connected either with an Ethernet cable or via Wi-Fi. In addition you can connect an analogue phone or external line from your existing PBX.

## 2N® EasyRoute benefits:

- Wireless high-speed Internet over 3G with a speed of 7.2 Mbps
- Prepaid 3G Wi-Fi Hot Spot applications such as a billing system with time limited access codes
- Ethernet and Wi-Fi interfaces, connection of one analogue phone or external PBX line
- Sending/receiving SMS
- Easy installation and operation through a web interface



### GSM:

GSM module:	MC8790V 850/1 900/2 100 MHz UMTS, WCDMA/HSDPA/HSUPA
	MC8792V 900/1 900/2 100 MHz UMTS, WCDMA/HSDPA/HSUPA
	MC879xx 850/900 MHz GSM/GPRS/EDGE 1 800/1 900 MHz GSM/GPRS/EDGE
Transmission power	2 W EGSM 850 / 900 MHz, 1W GSM 1800 / 1900 MHz
Receiver sensitivity	-110,5 dBm UMTS 2100/1900 MHz -111,5 dBm UMTS 850 MHz -107,5 dBm GSM 850/900 MHz -106,5 dBm GSM 1800/1900 MHz
Audio	HR+FR+EFR Half rate+Full rate+Enhanced full rate Echo cancellation, Echo suppression, WDCMA AMR Adaptive Multirate
Data	WCDMA/HSDPA kategorie 8, MS Class A (Simultaneous Voice and Data), downlink max. 7.2Mbps GPRS/EDGE Class B, max 5 slots total, multislot class 12
WiFi	Band 2,5/5GHz Standard 802.11a/b/g Encryption WEP, WPA, WPA2, WPA+WPA2
Antenna	850 / 900 / 1800 / 1900 MHz 50 Ω SMA antenna connector
SIM card	3 V plug-in

### POWER SUPPLY:

Mains supply	230/12V; 2A adapter
DC power supply	10 to 16V DC

12 V consumption

Standby: 350 mA, Data: 400 mA,  
Call: 450 mA, Call/data: 500mA

Supply connector

DC Jack 2.1 mm

### TELEPHONE INTERFACE:

Interface type	2-wire analog; FXS
Telephone connector type	RJ 12; 6/2
Call impedance	600 Ω
Loop voltage	48 V DC
Loop current	max. 40 mA
	max. 800 Ω
Tone frequency	adjustable, default 425 Hz
Dialling type	Tone (DTMF) & 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=100m Vef on 200 Ω
Answer supervision	polarity reversal, 12/16 kHz pulses

### ETHERNET SWITCH:

Interface	4-Ports Fast Ethernet switch
Conector	RJ-45

### OTHERS:

Dimensions (w/o connectors)	170 mm x 130 mm x 45 mm
Operating temperature	0°C to 45°C
Operating status signalling	4 LEDs (On, GSM network/Wifi, line)



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