2N® SmartGate UMTS

Cost-effective Communication

The 2N® SmartGate UMTS is a one-channel, analogue UMTS/GSM gateway, intended for voice transmission and high-speed data connection.

Together with your PBX, the gateway can decrease your telecommunications costs by concentrating calls from a group of PBX users. With a connected fixed line, it is possible to route outgoing calls either to a fixed line or mobile network, with additional cost savings. Mobility Extension can automatically forward calls to your mobile phone and support continuous service on your fixed line. You will be available anywhere and anytime.

When you use the gateway instead of a fixed line, you have access to most available fixed line services, including a fast data connection comparable to ADSL.

With the version of 2N® SmartGate UMTS that has a battery backup, you maintain your connection after a power outage, without an additional power source.

Features:

- Voice calls over GSM or UMTS
- Data connection (UMTS/HSDPA/EDGE/GPRS) over a USB interface
- Supports simultaneous voice call and data connection in a UMTS network
- One FXS and one FXO port
- 2N® Mobility Extension feature
- Advanced routing table allowing LCR (Least cost routing), blacklisting, redirecting etc.
- Baby call as an automatic dial feature
- Identification of calling parties (FSK CLIP)
- Battery backup (optional)
- Accessories and cables included

Benefits:

- Cost reduction solutions
- Additional functionality for use with a connected fixed line
- Fixed line replacement
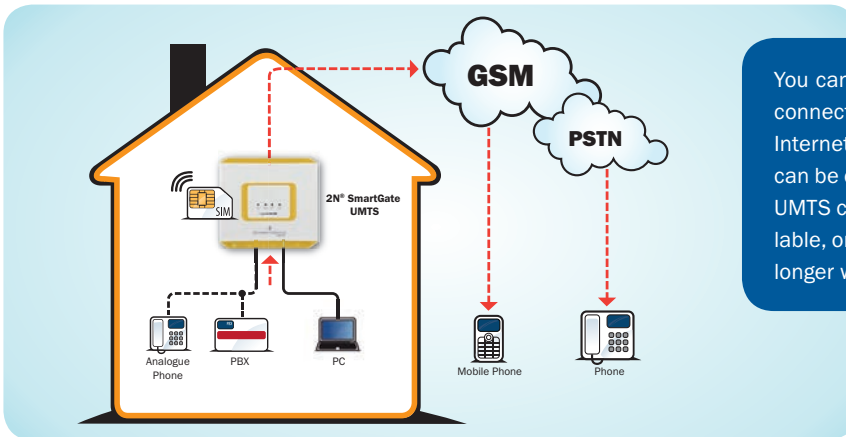- High speed data connection without wires

Intended for:

- Small companies with up to 40 employees
- Home Offices
- Households in rural areas

# Fixed line replacement

You can connect an analogue phone or PBX to get voice connection. A PC connected to a USB port can access the Internet, and the sending/receiving of SMS messages can be done using the SMS program. The 2N® SmartGate UMTS can be used in areas where a fixed line is not available, or as an alternative for persons/companies that no longer want to use fixed lines.

Cost savings scenario
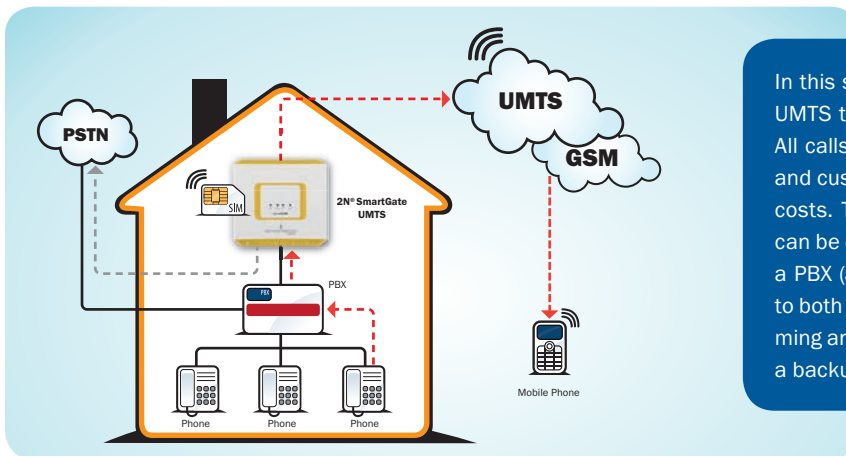
In this scenario, companies connect the 2N® SmartGate UMTS to their existing PBXs with an analogue interface. All calls to mobile networks are routed via the gateways and customers can save up to 70 percent on their calling costs. The routing is performed by a PBX. The gateway can be connected to the trunk line or an extension line of a PBX (according to what port is free on a small PBX) or to both lines, which allows for advanced settings for incoming and outgoing calls. Data connection can be used as a backup, in the case of a data connection failure.

Dial Thru scenario
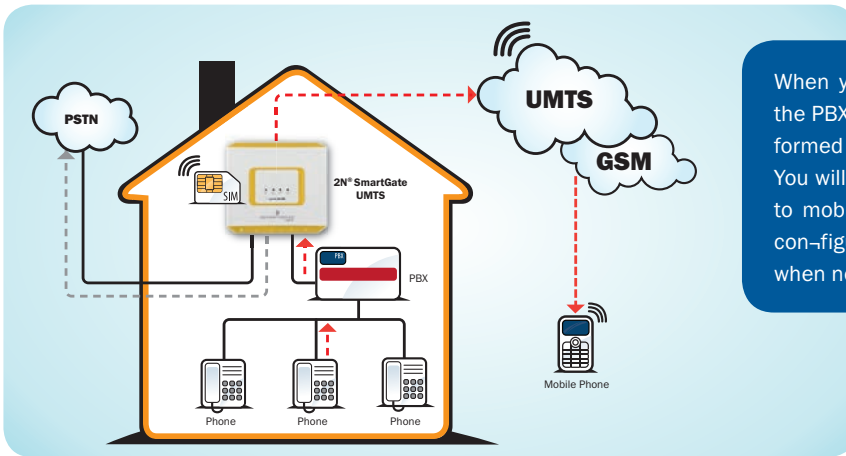
When you connect the 2N® SmartGate UMTS between the PBX and the network, the routing service can be performed by the gateway without programming the PBX. You will therefore save one of the PBX ports and all calls to mobiles will still be routed via 2N gateways. In this con¬figuration, it's easy to implement Mobility Extension when nobody is online in the company.

Technical Parameters

UMTS/GSM interface		Power Supply
GSM	850/900/1800/1900 MHz	Power adaptor supplied with gateway (12V/1A)
UMTS	900/2100MHz	External power supply 10 to 16V DC can be used
DATA	UMTS/HSDPA max 3,6Mbps downlink, 384 kbps uplink, EDGE class 12, GPRS Class 10	Battery backup integrated (optionally)
SIM card	3V and 1,8V	
Telephone interfaces		**Data interface**
FXS Line	for Phone set or PBX CO line	USB port for data connection (program for automatic connection supplied)
FXO Line	for PSTN or PBX Extension line	Virtual COM over USB for configuration and upgrade