

3G Gateway *HSDPA 7.2M & HSUPA 2M*

3G CORPORATE - Code 8D5633

- **3G/HSUPA/HSDPA** Wireless Gateway
- Fast Internet via **UMTS** up to **7.2M** in Download and up to **2M** in Upload
- Built-in **54 Mbps Wi-Fi** module
- Send/Receive **SMS** with your 54M Wireless PC
- 1 **FxS** analog phone port
- 1 **FxO** port for **Mobile eXtension** applications
- Built-in **ADSL2/2+ Router** function
- **Remote** management and configuration

DESCRIPTION

3G Corporate is a latest generation **HSDPA GATEWAY** totally integrated, with Data/Voice functions and ADSL2/2+ Router.

It is equipped with a **3G module** that integrates the **maximum performances of the mobile UMTS network**.

In particular, thanks to the **HSDPA and HSUPA technologies** the download speed can reach the **7.2 Mbps**, while the upload speed is up to 2 Mbps.

This Gateway is mainly used in applications with Telecom Operators up to business applications. It is also ideal in all those applications that require **high performances in transmission** (for example when sending large size mail attachments), in **video applications** or for the **Back-up of ADSL lines**.

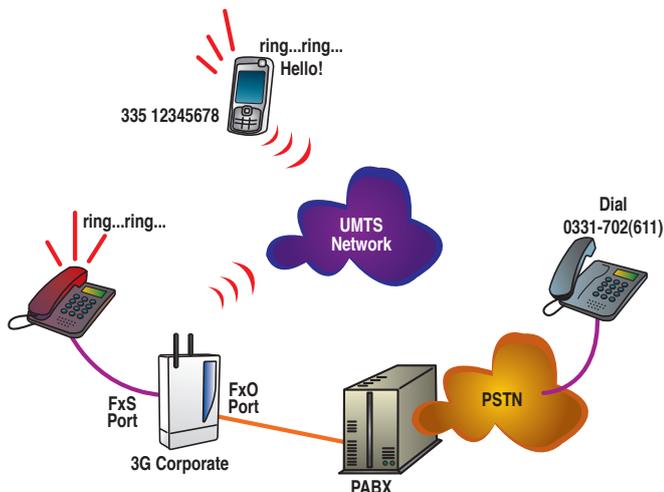
Furthermore the 2 voice ports, 1 with FxS and 1 with FxO interface, make 3G Corporate perfect also for all the voice applications.

3G Corporate can be successfully used also in Small Office applications for an immediate access to data and voice connectivity while waiting for the ADSL line or to guarantee the operation in case the main ADSL line falls down.

Through the **Least Cost Routing function** it is possible to enable calls to the PSTN or to the Mobile network reducing the costs of calls between PSTN and Mobile as if they were mobile-to-mobile calls.



With the exclusive **Mobile eXtension function** you can forward the calls coming in the PABX to a mobile phone, carrying out a “cordless” function without the distance and coverage limits of this type of equipment.



The voice applications of 3G Corporate allow its use as sole gateway in the most performing PABXs where the Internet connectivity is often required to take advantage of all the VoIP functions and Systems Messaging.

In this way you can use 3G Corporate to guarantee the ADSL connectivity and the Back-up in UMTS/HSDPA, as Least Cost Routing function to the company mobile phones, to carry out GSM calls from PABX extensions and as a gateway to send and receive SMS.

3G Corporate can also manage 2 SIMs to guarantee the operation in case the main telecom operator is not available or in special applications. You can switch manually or automatically from a SIM to the other one. **(1)**

With reference to HSDPA products available on the market that have a maximum Upload speed of 384Kbps, this means an important technological and applicative step beyond. In this way it is possible to take all the “wired” Internet applications over the “wireless” technology too.

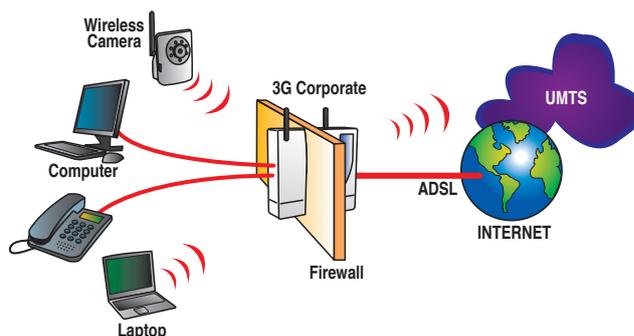
3G Corporate is also an **ADSL 2/2+ router with speed up to 24Mbps**. With a sole device it is possible to carry out **Back-up applications of the ADSL line** with an integrated device, making easier the coexistence of 2 gateways on the same network and no need to reconfigure the LAN PCs.

With 3G Corporate you will carry out **3 different types of connection: ADSL, 3.5G or ADSL with backup over HSDPA**.

You can also add a rechargeable backup battery for a continuous operation of your Gateway even if the power line falls down.

3G Corporate can be completely **setup and managed via WEB interface**, apart from the used operating system.

Furthermore it is supported the management of TR069 protocol for applications with mobile Telecom Operators.



Note 1: To switch from a SIM to the other one the device must be registered to the operator network. This function is not available in Least Cost Routing applications

TECHNICAL FEATURES

Wireless WAN

- 3G Gateway for Back Up and/or 3G Router applications
- UMTS technology with HSDPA Category 8 (7.2 Downlink)
- HSUPA Category 5 (2.0 Uplink upgradable up to 5.76 Mbps)
- EDGE/GPSR Class 12
- Bands: UMTS 2100/1900/850 MHz
- Bands: EDGE/GPRS/GSM 850/900/1800/1900MHz

Hardware

- Web based local and remote configuration
- LAN: 1 10/100 Ethernet port
- 1 FxS voice port for phone connection on RJ11
- 1 FxO voice port for connection to PABX extension or to PSTN on RJ11
- 2 SIM holder (for operator Back-up functions)
- Size: 290 x 135 x 80 mm (antenna included)
- Reset to Factory Default button
- 12VDC/1.2A external power supply
- Operating temperature 0-40 °C
- Non-condensig humidity: 20-95%
- Li-ion Battery Back-up (optional)
- CE Mark

Network Functionalities

- Full Routing IP (static and dynamic, NAT, Dynamic DNS (DDNS))
- Firewall (SPI) and protection from DoS attacks, Packet Filtering, URL content
- DMZ, VPN Pass-through, DHCP Server/Client support

Wireless LAN

- Wireless up to 54Mbps (IEEE802.11g, b)
- 64/128 bit WEP , WPA-PSK/WPA2-PSK encryption
- 2 dBi external antenna on SMA connector

Voice Functionalities - Phone Interface (FxS)

Phone Interface (FxS)

- Analog Phone Gateway function on FxS port
- Type: analog 2 wire - FxS
- Connector: Num 2 - RJ11
- Off-hook AC impedance: 600 ohm
- Off-hook line power: 25mA
- Tone or Pulse call
- Ring voltage: 38 Vrms
- Ring frequency: 25Hz

Phone Interface (FxO)

- Type: analog 2 wire - FxO
- Connector: Num 2 - RJ11
- Off-hook AC impedance: 600 ohm
- TBR 21 standard
- Tone or Pulse call

Management

- WEB based local/remote configuration and management
- WEB based Firmware upgrade
- Management via TR069 protocol

ADSL

- Built-in ADSL 2/2+ Router
- Standard ADSL2+, G.dmt bisplus (ITU G.992.5); ADSL 2 G.dmt.bis (ITU G.992.3), Full.rate ANS T1.413 Issue 2, G.dmt (ITU G.992.1), G.Lite (ITU G.992.2) G.hs (ITU G.994.1), ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684 Formely RFC 1483); Bridge or Routed Ethernet encapsulation, VC and LLC based mux
- PPP over Ethernet (PPPoE) and PPP over ATM (PPPoA)