

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

3G WLL - Code 8D5636

- **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**
- **1 FxS** analog phone port
- **Remote** management and configuration

DESCRIPTION

3G WLL is a latest generation **3G HSDPA GATEWAY** totally integrated, with Data and Voice functions.

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 connected to PABX gateway. It is also ideal in all those applications that require **high performances in transmission** with the presence of an **Fxs voice interface**.

3GWLL can be successfully used also in last mile applications where no telephone line is available or where it is not convenient to take it.

At the same time it is possible to supply high speed data service, similar to ADSL, even where it is not possible to have this type of connection, overcoming the problem of digital divide.

Another application of 3G WLL is with modern PABXs; it joins the functions of voice gateway for a phone cost saving toward the mobile network to the backup unit function for the ADSL connectivity.

Often in the most advanced PABXs also the Internet connectivity is required to take advantage of all the VoIP functions and systems Messaging.

It is possible to join the GSM gateway functions with the UMTS Router one and to guarantee a secure savings with respect to the traditional solution.



3G WLL is equipped with a **54Mbps Wireless LAN interface** to use computer and wireless devices that are at present an integral part of the professional and domestic activity.

The implementation of the **Remote Activation** function offers the possibility **to remote enable the connection**. When a specific SMS is received or a phone number is detected (CLI), 3G WLL will connect for a time set by the user.

Furthermore 3G WLL can be set to intercept E-mails received in LAN enabling the 3G connection and it can send an SMS.

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

A **built-in battery** is supplied with the product to guarantee the voice operation even if electrical power falls down, so as for the PSTN line.

3G WLL can be **local and remote upgraded** to be always abreast of technological evolution.

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 to 5.76 Mbps)
- EDGE/GPSR Class 12
- Bands: UMTS 2100MHz
- 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 SIM holder
- Size: 230 x 133 x 65 mm (exclusive of antennas)
- Reset to Factory Default button
- 12VDC/1.2A external power supply (range 10-14.5V)
- Standby consumption 672mA - 770mA
Maximum consumption 840mA
- Operating temperature 0-40 °C
- Non-condensig humidity: 20-95%
- Built-in Li-ion Battery Back-up
- 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, Virtual Server, VPN Pass-through
- VPN IPSec (1 tunnel), DES, 3DES, AES, MD5, SHA1
- 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)

- 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

Management

- WEB based local/remote configuration and management
- WEB based Firmware upgrade



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