UMTS and ADSL2+ *Router*

Michelangelo UMTS - **Code 8E4389**

- Your LAN over the Internet **via UMTS**
- ADSL always online with **UMTS Back-up** function
- 54M Wi-Fi Wireless Internet surfing
- **WEB based** configuration

UMTS - ADSL2/2+

DESCRIPTION

Michelangelo UMTS is a **router with 3G/HSDPA PC Card slot** using 3G/HSDPA, UMTS, EDGE, GPRS or GSM standards for Internet connections.

The diffusion of 3G standard also solved the problem of speed limit related to GSM and GPRS technologies and allows broadband mobility and wireless connections.
At present the 3G/HSDPA standard reaches the **speed of 7,2 Mbps and 1,8 Mbps for the UMTS**.
The real performance with Michelangelo UMTS will then depend on the operator, on the UMTS coverage and on the PC Card you use.

With Michelangelo UMTS you will perform **streaming video**, **real-time audio**, **play online**, **e-mail and Internet access even where a traditional Internet connection is not available**.
Just insert an UMTS Pc Card in Michelangelo UMTS and you will give connectivity to all the LAN computers and devices.
Michelangelo UMTS is equipped with an **ADSL WAN interface** supporting the **ADSL2/2+ standard** and it can surf the Internet in downstream up to **12/24 Mbps** and upstream up to 1 Mbps. Anyway, the ADSL connection can be always established in downstream up to 8 Mbps.
Connecting Michelangelo UMTS to the ADSL line you can **manage the UMTS connection as a Back-up** that guarantees the service. In case of faulty ADSL connection, the router automatically will pass over UMTS and come back to the starting configuration as this is restored.
Three different types of connection are available with Michelangelo UMTS: **ADSL, UMTS or ADSL with Back-up over UMTS**.

Wireless surfing thanks to the 54/11 Mbps built-in Wireless Access Point (802.11g/802.11b).
As for the security of radio transmissions the WPA-PSK/WPA2-PSK and 4/128 bit WEP encryptions are supported.

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For a wider Wireless coverage the WDS function (Wireless Distribution System) is present.

The accesses security is guaranteed by the **Firewall Stateful Packet Inspection** (SPI) that protects from DoS attacks, IP Spoofing, Land Attack, Smurf Attack, Ping of Death, Packt Filtering (Port control, Source IP, Destitation IP, MAC Address).
Michelangelo UMTS has also a **built-in 4 ports switch** 10/100 to directly connect your LAN PCs.

ATTENTION: The UMTS PC Card is not supplied. You can use the certificated cards listed here below. Please see the Digicom website for updates.
- **Option**: GlobeTrotter GT Max E, GX0201, GT Fusion+EMEA, GlobeTrotter HSDPA, GT 3G+EMEA, GlobeTrotter Express 7.2 GE0201 (**), iCON 225, GlobeTrotter GT MAx 7.2 card
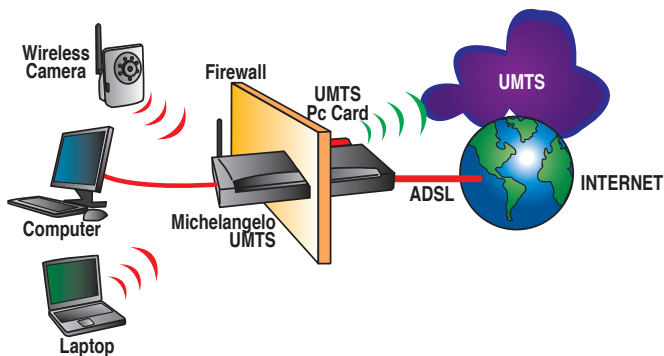- **Onda**: N501HS
- **Huawei**: E600, E630, E620, E870 (**)
- **Bandrich**: C100 (**)
- **Sierra Wireless**: Aircard 880E (**), Aircard 875, Aircard 880
- **Novatel**: Merlin X950D (**), Merlin U740, Merlin XU870 (**)
(**) The EXPRESS - PCMCIA converter is nedeed.

TECHNICAL FEATURES

Ports
- ADSL2+ standard supported, G.dmt bisplus (ITU G.992.5)
- ADSL2 standard supported, G.dmt.bis (ITU G.992.3)
- Supported standards: Full-rate ANSI 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, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- RFC 2684, formerly (RFC 1483)
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)

Network Functionalities
- NAT, static routing and RIP-1/2
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- VPN pass-through
- QoS, DiffServ and Bandwidth Management

Firewall
- Stateful Packet Inspection (SPI)
- DoS attacks protection
- Packet Filtering, URL Content

Management
- Web based local and remote configuration/management
- Web based firmware upgrade
- Telnet support for local and remote management
- DHCP Server/Client/Relay

Wireless 802.11g
- IEEE 802.11g & 802.11b standards
- Up to 54 Mbps Wireless speed
- 64/128 bit WEP encryption
- WPA-PSK/WPA2-PSK encryption
- WDS function (Wireless Distribution System)
- Wi-Fi Protected Setup (WPS)

Hardware
- WAN: Slot for 3G/HSDPA PC Cards
- WAN: ADSL line
- LAN: 4 ports switch 10/100 Mbps with MDI/MDI-X
- WLAN: removable antenna
- Reset factory default button
- WPS button
- Size mm: 210x148x36
- Power supply: 12V DC, 1.0A
- Operating temperature: 0 - 40°C
- Non condensing humidity: 20 - 95%
- CE Mark

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