



NETGEAR provides 24x7 technical support in English, with selected local language support during office hours.*

Mobile Connectivity Wherever You Are

Flexible Connectivity

The MBM621 supports standards-based HSDPA wireless networks around the world. Integrated into the unit is an HSDPA module and SIM card. It's easy, just plug into power and the modem will connect to your mobile operator's high-speed wireless network. Imagine being able to connect to the Internet at broadband speeds wirelessly from anywhere there is 3G coverage. An ideal solution for home and small business CPE deployments.

Easy to Install and Use

The MBM621 provides auto-sensing, which is an Auto Uplink 10/100 LAN Ethernet port that can connect directly to a computer, wireless router or switch, without the need for crossover cables. HSDPA AirLink supports up to a 7.2 Mbps connection rate with receive diversity and equalizer, enabling service providers to deliver a true broadband experience wirelessly.

Diagram 1

MBM621 with direct connection to a computer

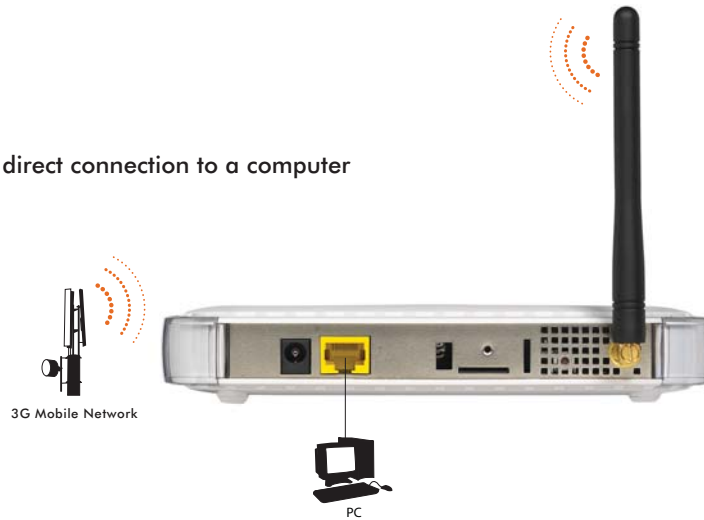
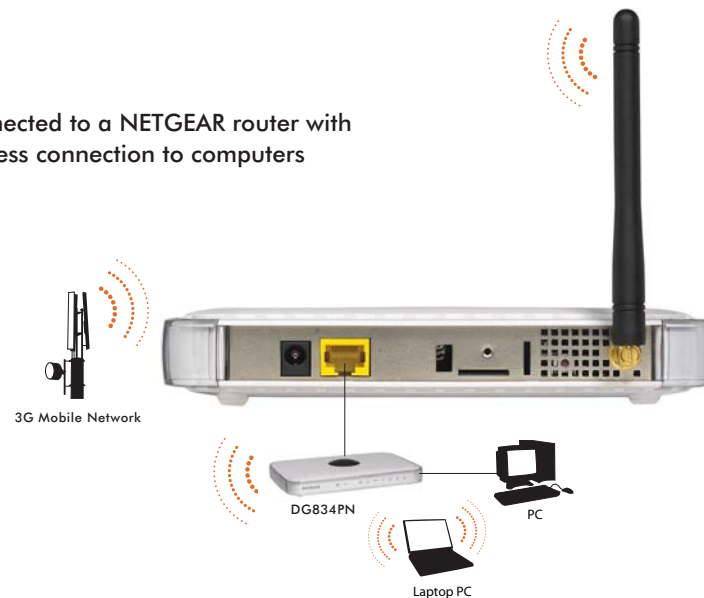


Diagram 2

MBM621 connected to a NETGEAR router with wired or wireless connection to computers



Technical Specifications

• Technology/Bands

- Tri-band HSDPA/UMTS – 850**/1900/2100 MHz
- Quad-band EDGE/GPRS – 850/900/1800/1900 MHz

• Advanced Technologies

- Two-channel receiver diversity on HSDPA/UMTS 850** and 2100 MHz bands – improves performance at cell edges
- Receive equalization – improves performance in noisy and highly mobile environments

• Data Speeds

- Category 8 (7.2 Mbps)
- Supports 7.2 Mbps downlink and 384 Kbps uplink

• Power Class

- WCDMA 850/1900 – Power Class 3
- WCDMA 2100 – Power Class 3
- GPRS 850/900 – Power Class 4
- GPRS 1800/1900 – Power Class 1
- EDGE 850/900/1800/1900 – Power Class E2

• RF Approvals

- FCC parts 2, 15, 22 & 24
- CE
- R&TTE directive 1999/5/EC (health, safety, EMC, spectrum)
- GCF

• Routing

- DHCP server
- DHCP client
- DNS proxy
- NAT
- Port forwarding
- Port triggering

• Protocols and Standards

- Complies with the following standards: IPv4, TCP, UDP, DHCP, IEEE 802.2, IEEE 802.3, ICMP, HTTP, TFTP, NTP

• Physical Interfaces

- LAN port: One 10/100 Mbps auto-sensing Auto-MDI-X, RJ-45 port (one Cat 5 UTP cable included)
- WAN: Embedded HSDPA module for Wireless WAN
- SIM: Slot for SIM module

• LEDs

- Power
- Test
- LAN
- Internet

• Hardware Specifications

- Memory: 4 MB flash, 16 MB DRAM
- 2 dBi external whip antenna
- Power requirements: 12V DC, 1.0A; Plug is localized to country of sale, RoHS compliant

• Environmental Specifications

- Operating temperature: 32° to 104° F (0° to 40° C)
- Storage temperature: -4° to 158° F (-20° to 70° C)
- Operating relative humidity: 90% non-condensing

• Physical Specifications

- Dimensions: 25 x 172 x 114 mm (1 in x 6.75 in x 4.5 in)
- Weight: 0.3 kg (0.7 lb)

Warranty

- NETGEAR 2-year Warranty

NETGEAR Related Products

- WiFi Phone with Skype® SPH200W
- ProSafe™ 24-port Gigabit Layer 2 Managed Switch with Static Routing GSM7224R
- ProSafe™ 48-port Gigabit L2 Managed Switch with Static Routing GSM7248R

NETGEAR®

4500 Great America Parkway
Santa Clara, CA 95054 USA
1-888-NETGEAR (638-4327)
E-mail: info@NETGEAR.com
www.NETGEAR.com

© 2008 NETGEAR, Inc. NETGEAR, the NETGEAR Logo, NETGEAR Digital Entertainer Logo, Connect with Innovation, FrontView, IntelliFi, PowerShift, ProSafe, RAIDar, RAIDiator, X-RAID, RangeMax, ReadyNAS and Smart Wizard are trademarks of NETGEAR, Inc. in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder (s) . Information is subject to change without notice. All rights reserved.

*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

D-MBM621-0