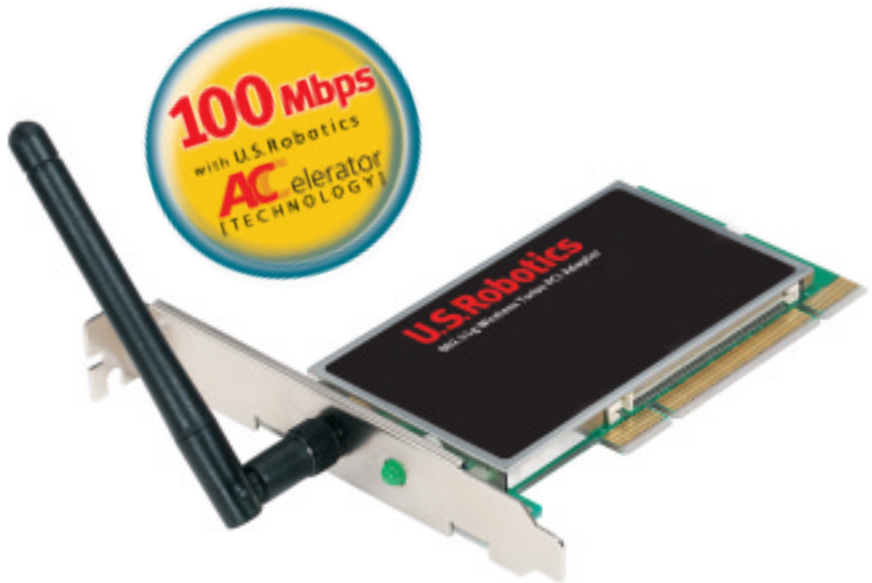


Model 5416 802.11g Wireless Turbo PCI Adapter



Networking



Features and Benefits

Faster speed, greater compatibility, better security

Exclusive 100 Mbps Accelerator Technology

Includes Accelerator Technology. Send and receive data at performance levels equivalent to **100 Mbps*** – **all on a single channel** to ensure greater network capacity and the highest data throughput.

Greater 802.11g/b wireless compatibility

Use the speed you purchased – **greater 802.11g and 802.11b compatibility** allows each device to connect at the fastest speed possible!

Superior security

Up to **10 times more secure** than standard wireless networks! Your data is secure with advanced features:

- **Built-in 256-bit Wired Equivalent Privacy (WEP)** encryption
- **WPA (Wi-Fi Protected Access)** protects your privacy and important data from hackers†
- 802.1x network authentication support

Greater range

Wirelessly network with 30% greater range and better area coverage than conventional 54 Mbps wireless products*.

Network management

Included Site Survey feature makes finding the closest access point easy and simplifies wireless network configuration.

Detachable antenna

Dipole antenna with reverse polarity SMA connector easily detaches to upgrade/replace for enhanced performance.

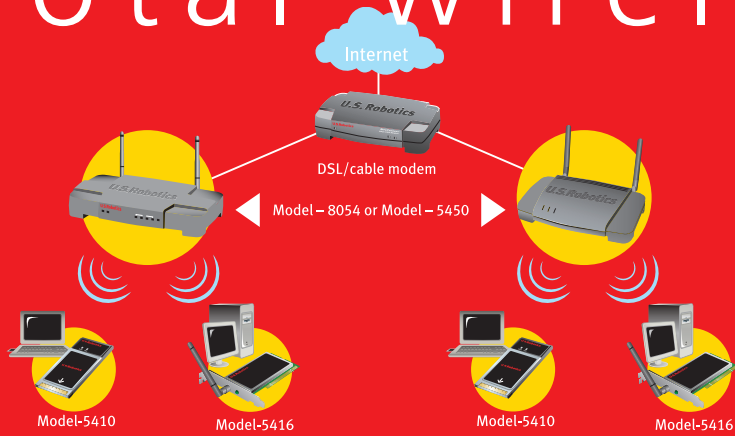
**COMPUTER
TRADE SHOPPER**

**SUPPLIER
EXCELLENCE
AWARDS 2003**

Best Networking Manufacturer

Ready. Set. Connect.™

Total wireless solution



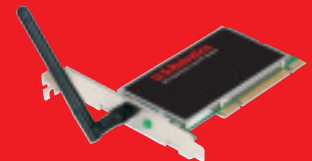
U.S. Robotics 802.11g Wireless Turbo networking products offer a total solution. Our simple to install portfolio is sure to meet your particular networking needs.



- 802.11g Wireless Turbo Router – Model 8054**
- Ideal for sharing high-speed Internet access among multiple computers*
 - Includes built-in MAC address authentication



- 802.11g Wireless Turbo Multi-Function Access Point – Model 5450**
- Ideal for bridging wired and wireless networks
 - Includes multiple operational modes for a customizable solution



- 802.11g Wireless Turbo PCI Adapter – Model 5416**
- Ideal for desktop computers
 - Detachable antenna is easily upgradable for enhanced performance



- 802.11g Wireless Turbo PC Card – Model 5410**
- Ideal for laptop computers
 - Low power consumption



- Wireless Turbo USB Adapter – Model 1120**
- Ideal for instant laptop or desktop wireless networking
 - Small design – fits in your pocket

Standards and Specifications

- PCI 2.1/2.2 compliant

Security Features

- 64/128/256-bit Wired Equivalent Privacy (WEP) encryption
- Disable broadcast SSID
- 802.1x network authentication support
- Wi-Fi Protected Access (WPA)†

Modulation Types

- BPSK, QPSK, CCK, PBCC, and OFDM

Radio

- Complies with IEEE 802.11g 54 Mbps wireless standard

RF Output Power

- +16 ~ 18 dBm

Frequency Band

- 2400 ~ 2462 MHz FCC Regulations for North America
- 2400 ~ 2472 MHz for Europe

Operating Channels

- 11 channels for North America
- 13 channels for Europe

Radio Technology

- Direct Sequence Spread Spectrum (DSSS)

Data Rates

- 1, 2, 5.5, 6, 11, 12, 22, 24, 36, 48, 54 Mbps with auto-fallback*

Antenna Type

- Removable swivel dipole antenna with reverse polarity SMA connector

Minimum System Requirements

- PC with Pentium processor or equivalent, 100 MHz or faster
- 64 MB RAM (or greater as recommended by your operating system)
- 500K available hard disk space for utility and driver installation
- Available PCI 2.1/2.2 slot
- Windows 98SE/Me/2000/XP operating system
- CD-ROM drive

General Wireless Networking Requirements

- Internet access for Web sharing – active Internet connection and Internet Service Provider (ISP) account†
- For 100 Mbps wireless networking – computer with 100 Mbps 802.11g wireless adapter/access point/router

- For 22 Mbps or 11 Mbps wireless networking – computer with 22 Mbps or 11 Mbps 802.11b wireless adapter/access point/router

Regulatory/Agency Approvals

- FCC approved (Part 15 Class B)
- IC approved (RSS-210)
- UL/CUL listed
- CEⓂ

Environmental Specifications

- Temperature Range
 - Operating: 32° - + 131° F (0° - +55° C) (Except RF output power and sensitivity)
 - Storage: -4° - + 158° F (-20° - +70° C)
- Humidity
 - Storage: 5% to 95% Non-condensing

Package Contents

- U.S. Robotics 802.11g Wireless Turbo PCI Adapter
- Removable swivel dipole antenna with reverse polarity SMA connector
- Quick Installation Guide
- Installation CD-ROM

Package Dimensions/Weight

- Dimensions
 - Length 9.87 in. (25.07 cm)
 - Width 2.06 in. (5.23 cm)
 - Height 6.31 in. (16.03 cm)
- Weight
 - 0.6 lb (0.27 kg)

Product Dimensions/Weight

- Dimensions
 - Length 5.23 in. (13.3 cm)
 - Width 4.76 in. (12.1 cm)
 - Height 0.86 in. (2.2 cm)
- Weight
 - 0.2 lb (0.09 kg)

Warranty

- Two-year limited manufacturer warranty from date of purchase

For details, see www.usr.com

Model Number

- 5416 – 802.11g Wireless Turbo PCI Adapter



* Capable of data throughput rates equivalent to 100 Mbps performance. Actual performance may vary depending on operating environment and distance between networked computers.

† Wi-Fi Protected Access (WPA) will be supported upon ratification.

‡ Internet sharing requires a router. Some Internet Service Providers (ISPs) may have additional requirements, may not allow Internet sharing, and/or may charge additional service fees.

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