



WAG311

Dual Band Wireless PCI Adapter 32-bit PCI

Tri-mode, High-speed Wireless Networking for Your Desktop PC

- *Help is there when you need it! NETGEAR provides 24x7 telephone and e-mail technical support in English, with selected local language support during office hours.*

Here's a great way to bring your desktop PC into the future. NETGEAR's Dual Band Wireless PCI Adapter boosts the speed and effectiveness of your Pentium III Class PC (with an available PCI 2.2 compliant slot) by making it compatible with any IEEE 802.11 product. It is fully compatible with 802.11a, 802.11b, and 802.11g WLAN standards, providing your network with faster speeds of up to 54 Mbps in both frequency bands and up to 108 Mbps in 802.11a turbo mode.* This means easy and continuous access to your home wireless router or office network. It also means you're supplying your network with the highest level of industry standard security, with Wi-Fi Protected Access (WPA) enhancements. Simple to install and use, this resourceful adapter also makes it easy to relocate your desktop PC without rewiring.

Highly Capable

Operates at speeds up to 108 Mbps in turbo mode. Provides wireless access to a network from a desktop PC via an 802.11a, 802.11b, 802.11g or dual band router or access point. Allows network users to wirelessly share resources and a broadband Internet connection, giving them continuous access to corporate resources, e-mail, and the Internet. Makes it a snap to videoconference or distribute and receive large files, including high-quality digital images and music.

Convenient

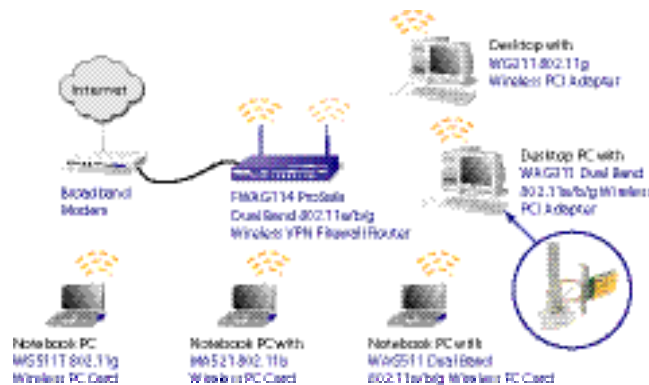
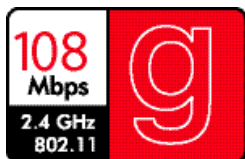
Universally compatible, this multi-talented card works with 802.11a, 802.11b, and 802.11g networks. It greatly simplifies relocating your desktop PC, networking and saving the time and expense of installing Ethernet cabling. Hassle-free installation means you're up and running with your wireless network in no time. Dynamic rate shifting according to environmental conditions achieves the fastest possible connections. Flexibility of antenna placement lets you obtain optimum range.

Versatile

- Customized protection with multiple security levels to choose from.
 - **High-level security:** WPA provides enhanced, interoperable security that increases the level of data protection and access control for wireless LANs. It keeps unwanted users from accessing a network without the proper permission and password.
 - **Added high-level security:** IPSec, PPTP or L2TP Virtual Private Network (VPN) pass-through provides secure transmissions via wireless VPN tunnels.
 - **Basic security:** 64, 128 and 152-bit Wired Equivalent Privacy (WEP) provides industry-standard data encryption. Each network has a unique passphrase that is entered manually to activate WEP. It's dynamic, as well - the key will be changed periodically to prevent intruders from getting onto the network.

* 802.11a turbo mode is not available in Europe.

Typical Network Setup



Product Specifications

802.11b/g

- **Radio Data Rate:**
 - 802.11b: 1, 2, 5.5, 11 Mbps (auto rate capable)
 - 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps and 108 Mbps in turbo mode
- **Frequency Band:**
 - 2.412 - 2.462 GHz (US)
 - 2.412 - 2.484 GHz (Japan)
 - 2.412 - 2.472 GHz (Europe ETSI)
 - 2.457 - 2.462 GHz (Spain)
 - 2.457 - 2.472 GHz (France)
- **Modulation Type:**
 - OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK

802.11a

- **Radio Data Rate:**
 - 6, 9, 12, 18, 24, 36, 48, 54 Mbps and 108 Mbps* in turbo mode (auto rate capable)
- **Frequency Band:**
 - 5.15 - 5.25 GHz (low band)
 - 5.25 - 5.35 GHz (middle band)
 - 5.725 - 5.825 GHz (high band)
- **Modulation Type:**
 - OFDM, BPSK, QPSK, 16QAM, 64QAM
- **Transmit Output Power :**
 - 15 dBm \pm 2dB
- **Security:**
 - WPA, WPA-PSK support
 - PPTP, P2TP, IPsec VPN pass-through support
 - 64, 128 and 152-bit WEP encryption
- **Drivers:**
 - Windows® 98SE, Me, 2000, and XP
- **Physical Specifications:**
 - **Dimensions (without antenna):**
132.8 x 21.8 x 121 mm
(5.23 x .86 x 4.76 in.)
 - **Weight (with antenna):** 283 g (9.98 oz)
- **Electromagnetic Compliance:**
 - FCC Part 15 Sub Class B
- **Certifications:**
 - Cisco® Compatible
 - Microsoft® Windows Hardware Quality Labs (WHQL) for Windows XP
 - Wi-Fi
- **Warranty:**
 - NETGEAR 3-year warranty

System Requirements

- Pentium III Class PC with an available PCI 2.2 compliant slot
- 20 Mb of free hard drive space
- Windows 98SE, Me, 2000, or XP

Package Contents

- Dual Band Wireless PCI Adapter WAG311 with external attached 5 dBi antenna
- Resource CD
- Installation guide
- Warranty card
- Support information card

NETGEAR Related Products

- FWG114P Wireless Firewall with USB Print Server
- WAG311 Dual Band 802.11a/b/g Wireless PCI Adapter
- WG302 802.11b ProSafe Wireless Access Point
- WG602 54 Mbps Wireless Access Point
- WGT624 108 Mbps Wireless Firewall Router
- WG511T 108 Mbps Wireless PC Card
- WG311 54 Mbps Wireless PCI Adapter

* 802.11a turbo mode is not available in Europe.



NETGEAR

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

©2004 NETGEAR, Inc. NETGEAR®, the Netgear Logo, the Gear Guy, and Everybody's connecting are trademarks or registered trademark of Netgear, Inc. in the United States and/or other countries. Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Freedom® is a registered trademark of ZeroKnowledge systems. Other brand and product names are trademarks or registered trademarks of their respective holders. Free phone support available 90 days from purchase date. Information is subject to change without notice. All rights reserved.
D-WAG311-0

