



HA501

54 Mbps 802.11a Wireless PC Card

Ultra-fast, Ultra-reliable, Wireless Networking

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

- You want speed and mobility for your small office. NETGEAR's ultra-fast HA501 802.11a Wireless PC Card delivers the ultimate in wireless networking performance, running at 54 Mbps, or up to 72 Mbps in turbo mode. It gives you the freedom to roam throughout the workplace and stay connected to corporate resources, e-mail, and the Internet without interference. Send and receive large files, including high-quality audio and video, anywhere in your business or classroom. Share presentations and collaborate on graphics-intensive projects without being tethered to your desk.

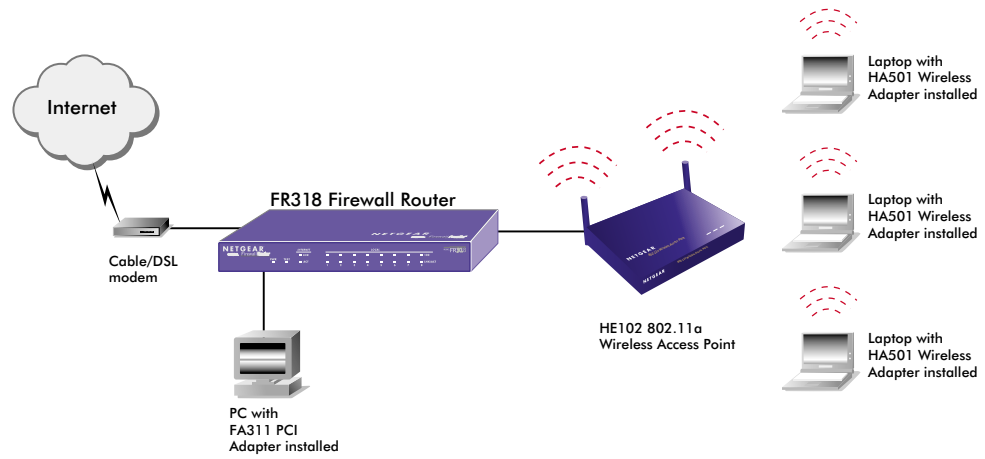
Since there are no wires to install, networking your home or office PCs couldn't be easier. You'll immediately experience reliable, IEEE 802.11a WLAN connectivity that's protected with industry-standard 64/128/152-bit WEP encryption. And NETGEAR's 802.11a product family makes it easy to add new clients and/or move your entire network to a new site. The HA501 supports most notebook PCs equipped with a CardBus slot. It does not interfere with IEEE 802.11b and Bluetooth™ devices and also supports office roaming with uninterrupted network access.

- F a s t** • Delivers blazing speeds of 54 Mbps, or up to 72 Mbps in turbo mode, and quickly creates or mobilizes your LAN without the time or expense of installing Ethernet cabling.

- F a r R e a c h i n g** • Extends your Ethernet LAN by allowing secure, mobile access to network resources. Simply connect one or more NETGEAR HE102 Access Points to your existing network or broadband connection, then add a NETGEAR HA501 Wireless PC Card to each notebook PC. With high-speed wireless connectivity, mobile users can be more productive, wherever their work happens to be.

- C o m p e t e n t** • Eight non-overlapping channels in the 5 GHz band (5.15 to 5.35 GHz) supply extensive coverage and bandwidth. Based on Wi-Fi5 technology, NETGEAR's IEEE 802.11a solution supports Windows® 98, Me, NT 4.0, 2000, and XP operating systems. It is not affected by interference from 802.11b or Bluetooth devices.

- P r o t e c t i v e** • Prevents unauthorized access to your data transmissions with secure, industry-standard 60/128/152-bit WEP encryption technology. A lower level of data encryption or no data encryption is available to simplify your network setup or to improve data transfer rate.



Technical Specifications

- **Network Speeds:**
 - 6, 9, 12, 24, 36, 48, 54, 72 Mbps
- **Modulation Type:**
 - OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
- **Encryption:**
 - Hardware-based 64, 128 & 152-bit WEP encryption
- **Frequency Band:**
 - 5.15 ~ 5.25 GHz (lower band) for US/Canada, Japan
 - 5.25 ~ 5.35 GHz (middle band) for US/Canada
- **Standards**
 - IEEE 802.11a
- **Compatibility**
 - Windows® 98, Me, NT 4.0, 2000, XP
- **Dimensions:**
 - W: 88 mm (3.4 in)
 - D: 54 mm (2.1 in)
 - H: 5 mm (0.2 in)
- **Weight:**
 - 43.4 g (1.6 oz)
- **Environmental Specifications:**
 - Operating temperature: 0 to 60C (32 to 140° F)
 - Operating humidity: 5-95%, noncondensing
- **Operating Range:**
 - Closed Environment
 - @ 54 Mbps 60 ft. (18.3m)
 - @ 6 Mbps 300 ft. (91.4m)
 - Open Environment
 - @ 54 Mbps 100 ft. (30.5m)
 - @ 6 Mbps 1200 ft. (366m)

- **Electromagnetic Emissions:**
 - FCC Part 15, Subpart B, Class A

- **Electromagnetic Compliance:**
 - FCC Part 15, Class B

- **Warranty:**
 - 5 Year Limited

System Requirements

- Pentium Class PC
- Available CardBus PCMCIA Type II slot
- Windows 98, NT 4.0, Me, 2000 or XP
- 2 MB of free hard drive space

Package Contents

- HA501 32-bit 802.11a CardBus
- Quick Installation Guide
- Resource CD

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