

Compact Wireless N USB Adaptor

IoGear Part #: GWU625



The new IOGEAR Compact Wireless-N USB Adapter allows you to connect your laptop or desktop to any Wireless-N network in your home or office. The Wireless-N (IEEE™ 802.11n) USB 2.0 Adapter is the perfect solution for those users who want to upgrade older computers to the next generation of wireless technology.

Product Description

Using dual antennas (1T2R) this product provides data rates up to 300Mbps and reduces Wi-Fi dead zones in your wireless environment. This new standard supplies sufficient bandwidth for faster file transfer, music downloads, video streaming, on-line gaming & HD multi-media applications. In addition to the increased speed and coverage, you will be pleased to know that it is compatible with your existing 802.11b and 802.11g routers and access points. The unit also features a WPS (Wi-Fi Protected Setup) button. This button assures quick and secure network setup.

Enjoy improved range, speed and reliability today with the Compact Wireless-N USB Adapter from IOGEAR!

- Add high-speed Wireless-N (802.11n) Internet access to any USB enabled computer
- 1T2R multiple radio technology improves effective throughput and range over existing 802.11 b/g products
- Compact and portable adapter plugs into your computer's USB port
- Compatible Network Standards: IEEE 802.11n (up to 300Mbps) IEEE 802.11g (up to 54Mbps) IEEE 802.11b (up to 11Mbps)
- Push-button Wi-Fi Protected Setup™ (WPS) simplifies secure and easy wireless configuration
- WEP, TKIP, AES, WPA and WPA2 hardware encryption schemes
- Frequency Band Modulation Method: QPSK / BPSK / 16-QAM / 64-QAM
- Supports Ad Hoc and Infrastructure modes
- Supports USB 2.0 with up to 300Mbps transfer rate; backward compatible to USB 1.1 and 1.2
- Compatible with Microsoft Windows, Mac or Linux OS

System Requirements

- Operating System
 - Windows XP, Windows Vista, Windows 7
 - Mac OS X v10.4 and above
 - Linux Fedora 10 (Kernel: 2.6.27.5-117)
- Available USB port
- Wireless network

Package Contents

- 1 x Wireless-N USB 2.0 Adapter
- 1 x Driver CD
- 1 x Quick Start Guide
- 1 x Warranty / Registration Card

For use with Raspberry Pi

The standard Raspbian OS for Raspberry Pi has the driver for this wireless adapter built-in, but Raspbian does not include a graphical WiFi interface. The following instructions allow you to install the graphical user interface for network connections.

Connected to wired Ethernet

The easiest way to install the Network Manager is to connect the Raspberry Pi to a wired network (this only has to be done once). Once connected, from the command prompt or terminal window of the desktop, type the following command: `sudo apt-get install wicd -y` and press Enter. When the install is complete there will be a networking icon in the lower right hand corner of the desktop.

Connect over Wireless

If you do not have a wired connection, you can manually set up a wireless connection the first time, then install the Network Manager. First, type `sudo nano /etc/network/interfaces` and press Enter. This will open a text editor. Add the following text to the end of the file:

```
auto wlan0
iface wlan0 inet dhcp
wpa-ssid "SSID"(Keep quotes, replace SSID with the SSID of your wireless network)
wpa-psk "PASS"(Keep quotes, replace PASS with the network password)
```

Once typed, press Ctrl and X together, press Y to confirm saving, and press Enter. Then type `ifup wlan0`. This will activate the wireless interface and connect to the network. Once the network is up and connected to the Internet, type `sudo apt-get install wicd -y` and press Enter. When this is done, type `sudo nano /etc/network/interfaces` and remove all text that was previously added. Press Ctrl and X, then Y, then Enter to exit. Reboot the Raspberry Pi and the Network Manager will be present at the bottom corner of the desktop.

Specifications

Power Consumption	Transmit : < 380mA. ; Receive: < 250mA.
Operating Temperature	0 ~ 50 celsius
Storage Temperature	-10 ~ 70 celsius
USB Specification	USB 2.0
Humidity	5 ~ 90% (non-condensing)
Transmission Power	17 dBm
Frequency Band	2.4GHz ~ 2.483GHz unlicensed ISM band
Modulation	IEEE 802.11n: BPSK, QPSK, 16-QAM, 64-QAM
Data Rate	IEEE 802.11n: 6, 9, 12, 18, 24, 36, 48, 54, 60, 90, 120, 180, 240, 270 and up to 300Mbps
Interface	USB 2.0
Security	64-bit or 128-bit WEP/WPA TKIP
Management	Windows-based Utility
Operating Range	100 - 400m, depending on surrounding environment
Encryption	64 bit / 128 bit WEP, TKIP, AES
Antenna Type	On board chip antenna
Range	Up to 320 ft
Chipset	RTL8191SU
Dimensions	GWU625
Unit Dimensions	
Width	2"
Height	1"
Depth	0.25"
Unit Package Dimensions	
Width	5"
Height	7.75"
Depth	1"
Weight	
Unit Pack Wt.	0.15 lb
Unit Wt.	0.30 oz