

## Product Highlights

### Super-fast Dual-band Wireless AC

Utilizes the latest 802.11ac dual-band technology, providing a blazing-fast, reliable connection to your network

### Simple Setup

Quickly and easily establish a fast, secure home network that will have you browsing, streaming, and chatting in minutes

### Total Wireless Compatibility

Backwards compatible with all of your current wireless products, allowing you to integrate your existing setup without worries



## DWA-582

# Wireless AC1200 Dual Band PCI Express Adapter

## Features

### Dual-band Wireless AC Technology

- Fully utilize the power and speed of your Wireless AC network
- Dual-band technology offers flexibility and versatility depending on your connectivity needs
- Latest Wireless AC technology delivers maximum performance and reliability

### Total Wireless Security

- Connect to wireless networks securely using the latest encryption methods
- Supports WPA / WPA2 encryption for high-level wireless security
- Use Wi-Fi Protected Setup (WPS) to establish a secure connection with the press of a button

### Convenient PCI Express Installation

- Instantly adds Wireless AC capabilities to any computer with a spare PCI Express slot
- Internal installation conserves space, and stays out of your way
- Superior performance over the legacy PCI interface

The DWA-582 Wireless AC1200 Dual Band PCI Express Adapter connects your computer to a high-speed network and provides a blazing-fast Wireless AC connection with superior reception. Once connected, you can access your network's high-speed Internet connection while also getting secure access to shared photos, files, music, video, printers, and storage.

## Better Speeds, Better Coverage

The DWA-582 Wireless AC1200 Dual Band PCI Express Adapter lets you connect to your wireless network with faster speeds and over greater distances. The improved wireless coverage and better speeds allow you to enjoy faster and more reliable connections throughout your home. The DWA-582 delivers dual-band technology to your home network for intelligent and versatile performance. Check your e-mail and surf the Internet on the 2.4 GHz band, and play online games, make Internet phone calls, and stream HD movies to multiple devices using the lower-interference 5 GHz band. Whatever you like to do online, the DWA-582 has you covered.

## The Benefits of PCI Express

PCI Express provides a high-bandwidth connection with superior performance over the legacy PCI interface. You can connect the Wireless AC1200 Dual Band PCI Express Adapter to any PCIe slot in your computer, whether it is an x1, x4, x8, or x16 slot. The internal PCIe installation stays out of your way by fitting nicely in your computer case, keeping the antennas safely tucked away at the back.

## Get Connected and Stay Connected

Powered by the latest Wireless AC technology, this adapter provides high-performance wireless connectivity. The DWA-582 is designed for use in bigger homes and for users that demand higher networking performance. Maximize your wireless performance by connecting this adapter to a Wireless AC router and stay connected from virtually anywhere in your home. The DWA-582 is also backward compatible with 802.11n/g/b technology, allowing you to connect to your older devices.

## Robust Security Options

The DWA-582 supports WEP, WPA, and WPA2 encryption that allow you to connect securely to a wireless network which keeps intruders out of your network, allowing you to browse the Internet without worries. Wi-Fi Protected Setup (WPS) support greatly facilitates the connection process, allowing you to set up a secure connection at the touch of a button.

## Easy to Set Up and Use

A quick setup wizard guides users through a simplified installation process so that you can configure the DWA-582 without having to call a networking expert for help. With incredible wireless performance, reception, and security, this adapter is a great choice for easily adding or upgrading wireless connectivity to desktop computers.

## Technical Specifications

### General

Interface	• PCI Express (PCIe)	
Antennas	• Two 4.5 dBi external dipole antennas	
Wireless Frequency	• 2.4 to 2.4835 GHz	• 5.15 to 5.30 GHz
Wireless Standards	• 802.11ac/n/g/b	
Security	• WPA / WPA2 • WEP (64/128 bit)	• WPS (PBC/PIN)
EIRP	• 2.4 GHz: 19dBm	• 5 GHz: 22dBm
Advanced Features	• Advanced Quality of Service (QoS) • WMM	• RoHS compliant

### Physical

Dimensions <sup>1</sup>	• 121 x 79 x 25 mm (4.76 x 3.11 x 0.98 inches)	
Weight <sup>2</sup>	• 48.8 grams (1.72 ounces)	
Operating Voltage	• 3.3 V DC ± 10%	
Power Consumption	• Max. 3.3 V / 1 A	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 0% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE • FCC • IC	• C-Tick • NCC • Wi-Fi Certified

# DWA-582 Wireless AC1200 Dual Band PCI Express Adapter

Order Information	
<i>Part Number</i>	<i>Description</i>
DWA-582	Wireless AC1200 Dual Band PCI Express Adapter

<sup>1</sup> PCB only

<sup>2</sup> Includes bracket

Updated 2014/08/19