D-Link
Building Networks for People

Wireless AC

Product Highlights

Super-fast Dual-band Wireless AC

Utilises the latest 802.11ac dual-band technology, providing a blazing-fast, reliable connection to your network with wireless speeds of up to 867 Mbps[1]

PCIe with High-Gain Antennas

PCI Express provides a high-bandwidth connection to your computer whilst high power antennas boost signal strength to enhance wireless range and performance

Total Wireless Compatibility

Backwards compatible with all of your current wireless products, allowing you to integrate your existing setup with ease

DWA-582

Wireless AC1200 Dual-Band PCI Express Adapter

Features

Dual-band Wireless AC Technology

- Fully utilise the power and speed of your Wireless AC network
- Wireless speeds of up to 867 Mbps on the 5 GHz band or 300 Mbps on the 2.4 GHz band
- 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 reduces desktop clutter
- Superior performance over the legacy PCI interface
- Includes both standard and low profile brackets

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

Powered by the latest Wireless AC technology, this adapter provides high-performance wireless connectivity. Maximise your wireless performance by connecting this adapter to a Wireless AC router and stay connected from virtually anywhere in your home. 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 computer for intelligent and versatile performance. This allows you to connect using the lower-interference 5 GHz band with wireless speeds of up to 867 Mbps using Wireless AC, as well as being backwards compatible with traditional 802.11n/g/b technology 2.4 GHz wireless networks.

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 allows the DWA-582 to be installed inside your computer, reducing your desktop clutter whilst keeping the antennas safely tucked away at the back or your computer.

Robust Security Options

The DWA-582 supports WEP, WPA and WPA2 encryption that allow you to connect securely to a wireless network keeping intruders out and 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.

DWA-582 Wireless AC1200 Dual-Band PCI Express Adapter

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 2.5 GHz	• 5.15 to 5.850 GHz
Wireless Standards	• 802.11ac/n/g/b	
Security	• WPA / WPA2 • WEP (64/128 bit)	• WPS (PBC/PIN)
LED	• Activity	
Advanced Features	• Advanced Quality of Service (QoS) • WMM	• RoHS compliant
Physical		
Dimensions[2]	• 121 x 79 x 25 mm (4.76 x 3.11 x 0.98 inches)	
Weight[3]	• 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

[1] Maximum wireless signal rate derived from IEEE Standard 802.11. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors may adversely affect wireless signal range.
[2] PCB only
[3] Includes bracket

For more information: www.dlink.com

D-Link European Headquarters. D-Link (Europe) Ltd., D-Link House, Abbey Road, Park Royal, London, NW10 7BX.

Updated January 2015

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