



### **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<sup>1</sup>

#### 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



# WA-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 68 Wireless AC 200 Dual-Band PCI Express Adapter connects your computer to a high speed notwork and provides a blazing-fast Wireless AC connection with superior reception. The 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

Forwered 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       • WPA / WPA2       • WPS (PBC/PIN)         Security       • WPA / WPA2       • WPS (PBC/PIN)       • WPS (PBC/PIN)         LED       • Activity       • WPM       • WPM         Advanced Features       • Advanced Quality of Service (OS)       • RoHS compliant         Dimensions <sup>2</sup> • 121 x 79 x 24 mm + 70 3.11 ar 03/8 inches)       • RoHS compliant         Weight <sup>3</sup> • 48 & gams 114 ounces)       • RoHS compliant         Operating Voltage       • 31 yr 0 0 %       • Storage: 20 to 65 °C (-4 to 149 °F)         Power Consumption       MBA / 3 V / 1 A       • Operating: 0 to 40 °C (32 to 104 °F)       • Storage: 5% to 95% non-condensing         Humidity       • Operating: 0% to 90% non-condensing       • Storage: 5% to 95% non-condensing       • Certifications	i centificatiop centeations		
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       • WPA / WPA2         Security       • WPA / WPA2       • WPS (PBC/PIN)         LED       • Activity       • WPS (PBC/PIN)         Advanced Features       • Advanced Quality of Service Qost       • RoHS compliant         Physical       • 121 x 79 x 24 to 140 % inches)       • RoHS compliant         Dimensions <sup>2</sup> • 121 x 79 x 24 to 140 % inches)       • RoHS compliant         Operating Voltage       • 33 V 0 30 % 0       • Storage: -20 to 65 °C (-4 to 149 °F)         Humidity       • 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	General		<u> </u>
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       • FRHS compliant         Advanced Features       • Advanced Quality of Service (005)       • BHS compliant         Physical       • 121 x 79 x 22 mm (47.7) (3.11 at 038 inches)       • RoHS compliant         Weight <sup>3</sup> • 48.8 at gms (4.2 punces)       • Advances)         Operating Voltage       • 33 to = 0%.       • Storage: -20 to 65 °C (-4 to 149 °F)         Humidity       • Operating: 0% to 90% non-condensing       • Storage: 5% to 95% non-condensing         Certifications       • CE       • C-Tick	Interface	PCI Express (PCIe)	$\bigcap$
Wireless Standards       - 802.11ac/n/g/b         Security       - WPA / WPA2 - WEP (64/128 bit)       - WPS (PBC/PIN)         LED       - Activity       - WPS (PBC/PIN)         Advanced Features       - Advanced Quality of Service (00)       - Effect         Physical       - NoHS compliant         Dimensions <sup>2</sup> - 121 x 79 x 20 mm (470) 3.11 with 98 inches)         Weight <sup>3</sup> - 48.8 acams (1-200%)         Operating Voltage       - 3.3 / 10 - 00%         Power Consumption       Max (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       - CTick	Antennas	Two 4.5 dbi external dipole antennas	
Security       · WPA / WPA / WPA2         WEP (64/128 bit)       · WPS (PBC/PIN)         LED       · Activity         Advanced Features       · Advanced Quality of Service (Oos)         Physical       · WMM         Dimensions <sup>2</sup> · 121 x 79 x 24 mm + 70 + 3.11 w0 98 inches)         Weight <sup>3</sup> · 48.8 actions 11 + 20 unces)         Operating Voltage       · § 3 V D + 0%         Power Consumption       Max 3 V / 1 A         Temperature       · Operating: 0 to 40 °C (32 to 104 °F)       · Storage: 5% to 95% non-condensing         Humidity       · Operating: 0% to 90% non-condensing       · Storage: 5% to 95% non-condensing	Wireless Frequency	• 2.4 to 2.5 GHz	• 5.15 to 5.850 GHz
• WEP (64/128 bit)         LED       • Activity         Advanced Features       • Advanced Quality of Service (005)       • RoHS compliant         Physical       • 121 x 79 x 20 mm (47/0) 3.11 (40/98 inches)       • RoHS compliant         Dimensions <sup>2</sup> • 121 x 79 x 20 mm (47/0) 3.11 (40/98 inches)       • RoHS compliant         Weight <sup>3</sup> • 48.8 earms the ounces)       • Gerrating Voltage         Power Consumption       May 4.3 V / 1 A       • 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	Wireless Standards	• 802.11ac/n/g/b	✓
Dimensions2· 121 x 79 x 24 mm (*72) x 3.11 x 0.98 inches)Weight3· 48.8 mams (* 2 ounces)Operating Voltage· 8.3 V D + 0%Power Consumption· Max. 8.3 V / 1 ATemperature· 0 perating: 0 to 40 °C (32 to 104 °F)Humidity· 0 perating: 0% to 90% non-condensingCertifications· CE· CE· C-Tick	Security	• WEP (64/128 bit)	
Dimensions2. 121 x 79 x 24 mm 4770 x 3.11 x 0.98 inches)Weight3. 48.8 m cmms (1.2 ounces)Operating Voltage. 48.8 m cmms (1.2 ounces)Power Consumption. 8.3 V DC + 0%Power Consumption. Max . 3 V / 1 ATemperature. 0 perating: 0 to 40 °C (32 to 104 °F). Storage: -20 to 65 °C (-4 to 149 °F)Humidity. 0 perating: 0% to 90% non-condensing. CE. C-Tick	LED	Activity	
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Weight <sup>3</sup> - 48.8 mams (% Counces)         Operating Voltage       - 8.3 V DC ± 0%         Power Consumption       - Max .8.3 V / 1 A         Temperature       - 0 perating: 0 to 40 °C (32 to 104 °F)       - Storage: -20 to 65 °C (-4 to 149 °F)         Humidity       - 0 perating: 0% to 90% non-condensing       - Storage: 5% to 95% non-condensing         Certifications       - CE       - C-Tick	Dimensions <sup>2</sup>	• 121 x 79 x 25 mm (4.78) 3.11 x 0.98 inches)	
Power Consumption     Max. 8.3 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     • C-Tick	Weight <sup>3</sup>		
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Humidity     • Operating: 0% to 90% non-condensing     • Storage: 5% to 95% non-condensing       Certifications     • CE     • C-Tick	Power Consumption	Max 8.3 V / 1 A	
Certifications  • CE  • C-Tick	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
IC     IC	Certifications	• FCC	• NCC

<sup>1</sup> 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.
<sup>2</sup> PCB only
<sup>3</sup> Includes bracket



#### For more information: www.dlink.com

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