

# D-Link®

# EXO | AX

N E X T   G E N E R A T I O N

Wi-Fi  
**6**

Power up Your PC with New Generation

## AX3000 WI-FI 6 Bluetooth® 5.1 PCIe ADAPTER



Intel® Wi-Fi 6  
Chipset



High-Performance  
Antennas



Bluetooth® 5.1  
Support



Magnetized  
Antenna Base

### DWA-X582

#### Features

##### Dual-band Wireless AX Technology

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

##### Total Wireless Security

- Connect to wireless networks securely using the latest encryption methods
- Supports the latest Wi-Fi security with 128-bit encryption for high-level wireless security

##### Convenient PCI Express Installation

- Instantly adds Wireless AX capabilities to any computer with a spare PCI Express slot
- Superior performance over the legacy PCI interface/

The DWA-X582 AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.1 connects your computer to a high-speed network and provides a blazing fast Wireless AX 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.

#### The Benefits of PCI Express

PCI Express provides a high-bandwidth connection with superior performance over the legacy PCI interface. You can connect the AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.1 to any PCIe slot in your computer, whether it is a x1, x4, x8, or x16 slot.

#### Get Connected and Stay Connected

Powered by the latest Wireless AX technology, this adapter provides high-performance wireless connectivity. The DWA-X582 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 AX router and stay connected from virtually anywhere in your home. The DWA-X582 is also backward compatible with 802.11ac/n/g/a/b technology, allowing you to connect to your older devices.

#### Bluetooth® 5.1 Connectivity

Take advantage of Bluetooth® 5.1 connectivity with faster connection initiation while being more energy efficient. Add DWA-X582 to your PC so you can easily connect to Bluetooth devices like game controllers, headphones, and keyboards without any additional adapters.

#### Robust Security Options

The DWA-X582 supports the latest Wi-Fi security with 128-bit 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.

# DWA-X582

## AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.1

### Easy to Set Up and Use

A quick setup wizard guides user through a simplified installation process so that you can configure the DWA-X582 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	<ul style="list-style-type: none"> <li>• PCI Express (PCIe)</li> <li>• 2 x RP-SMA Connectors</li> <li>• F-USB</li> </ul>
Antennas	<ul style="list-style-type: none"> <li>• Two 5 dBi detachable antennas</li> </ul>
Wireless Frequency	<ul style="list-style-type: none"> <li>• 2.4 GHz</li> <li>• 5 GHz</li> </ul>
Wireless Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ax/ac/n/a 5 GHz</li> <li>• IEEE 802.11ax/n/g/b 2.4 GHz</li> <li>• BT 5.1</li> </ul>
Security	<ul style="list-style-type: none"> <li>• The latest Wi-Fi security with 128-bit encryption</li> <li>• WEP (64/128 bit)</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• Bluetooth 5.1</li> </ul>
System Requirements	<ul style="list-style-type: none"> <li>• Windows 10 64-bit</li> <li>• Linux 5.1 and later</li> </ul>
Physical	
Dimensions	<ul style="list-style-type: none"> <li>• 121 x 79 x 25 mm (4.76 x 3.11 x 0.98 inches)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 87 grams (3.07 ounces)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 103 °F)</li> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> </ul>
Order Information	
<i>Part Number</i>	<i>Description</i>
DWA-X582	AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.1

1 PCB only  
2 Includes heatsink  
Updated 2020/10/13