

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.

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.

Better Speeds, Better Coverage

The DWA-X582 Wireless Adapter lets you connect to your wireless network with faster speeds in comparison with 802.11ac and 802.11n dual band adapters. The DWA-X582 supports operating in one of two frequency bands (2.4 GHz or 5 GHz) and provides maximum wireless speed up to 574 Mbps in the 2.4 GHz band and up to 2402 Mbps in the 5 GHz band.

| Technical Specifications | |
|--------------------------|--|
| General | |
| Interface | <ul style="list-style-type: none"> • PCI Express (PCIe) • 2 x RP-SMA Connectors • F-USB |
| Antennas | <ul style="list-style-type: none"> • Two 5 dBi detachable antennas |
| Wireless Frequency | <ul style="list-style-type: none"> • 2.4 GHz • 5 GHz |
| Wireless Standards | <ul style="list-style-type: none"> • IEEE 802.11ax/ac/n/a 5 GHz • IEEE 802.11ax/n/g/b 2.4 GHz • BT 5.1 |
| Security | <ul style="list-style-type: none"> • The latest Wi-Fi security with 128-bit encryption • WEP (64/128 bit) |
| Advanced Features | <ul style="list-style-type: none"> • Bluetooth 5.1 |
| System Requirements | <ul style="list-style-type: none"> • Windows 10 64-bit • Linux 5.1 and later |
| Physical | |
| Dimensions | <ul style="list-style-type: none"> • 121 x 79 x 25 mm (4.76 x 3.11 x 0.98 inches) |
| Weight | <ul style="list-style-type: none"> • 87 grams (3.07 ounces) |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 to 40 °C (32 to 103 °F) • Storage: -20 to 65 °C (-4 to 149 °F) |
| Humidity | <ul style="list-style-type: none"> • Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing |
| Certifications | <ul style="list-style-type: none"> • CE • FCC |
| Order Information | |
| <i>Part Number</i> | <i>Description</i> |
| DWA-X582 | AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.0 |

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