D-Link®

DWA-X582

AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.0

Features

Dual band Wi-Fi 6 Technology

- Next-generation Wi-Fi 6 with AX3000 speeds of up to 574 Mbps (2.4 GHz) or 2402 Mbps (5 GHz)[1]
- Fully utilise the speed of your Wi-Fi 6 network[1]
- Dual Band technology offers flexibility and versatility depending on your connectivity needs
- Latest Wi-Fi 6 technology with MU-MIMO support delivers maximum performance and reliability
- Latest WPA3 Wi-Fi security with 128-bit encryption

Bluetooth 5.0

- Connect keybaord, mouse, headphones or game controllers without additional adapters

High-Speed PCIe Interface

- Add Wi-Fi 6 connectivity to computers with a spare PCI Express slot
- Superior performance compared to legacy PCI interface

The DWA-X582 AX3000 Wi-Fi 6 PCIe Adapter with Bluetooth 5.0 adds high-speed wireless connectivity to your desktop computer. Fully utilise the speed of your Wi-Fi 6 network with multigigabit wireless speeds and superior reception for low latency gaming, seamless video streaming and blazing-fast downloads.

Wi-Fi 6 with MU-MIMO

Enjoy a high-speed Wi-Fi connection over the 2.4 GHz band (574 Mbps) or the less congested 5 GHz band (up to 2402 Mbps)[1]. With reduced Wi-Fi interference, you can maximise throughput for faster streaming, gaming, and VoIP calls MU-MIMO support allows you to get the most from compatible routers for optimised network efficiency and performance.

The Benefits of PCI Express

PCI Express provides a high-bandwidth connection with superior performance over the legacy PCI interface. The PCI Express X1 interface allows you to connect the DWA-X582 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 tucked away at the back.

Bluetooth 5.0 Connectivity

Take advantage of Bluetooth 5.0 with faster connection initiation and more energy efficienct. Add DWA-X582 to your PC so you can easily connect to Bluetooth devices like game controllers, headphones, and keyboards without any additional adapters.

Technical Specifications

General Specifications

Interfaces	• PCI Express x1 (PCIe x1) for Wi-Fi	• USB for Bluetooth
LED	• Status	
Standards	• IEEE 802.11a/b/g/n/ac/ax	• Bluetooth 5.0
Maximum Wireless Speed[1]	• 2402 Mbps (5 GHz)	• 574 Mbps (2.4 GHz)
Security	• 64/128-bit WEP • WPA/WPA2/WPA3	• Wi-Fi Protected Setup (WPS)
Antenna Type	• Two 5 dBi detachable antennas	
Advanced Features	• Quality of Service (QoS)	• WMM

Requirements

Operating System	• Windows 10 (x64 only)	
Interface	• Computer with PCI Express x1/x4/x8/x16 slot	• Motherboard with F_USB (for Bluetooth)

Physical

Dimensions	• 65 x 44.5 x 1.6 mm (PCB only)	
Temperature	• Operating: 0 to 70 ℃	• Storage: -10 to 80 ℃
Humidity	• 10% to 90% (non-condensing)	• 5% to 90% (non-condensing)
Certifications	• CE	

[1] Maximum wireless signal rate derived from IEEE standard 802.11ax/ac/n/g/b specifications. 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.

For more information: eu.dlink.com

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