

AX3000 Wi-Fi 6 PCIe Adapter

AX30E

Key Features

- Signal-boosting and multi-directional antenna design combined with Wi-Fi 6 beamforming to eliminate weak signals and dead zones
- Powerful Wi-Fi 6 technology provides faster speeds, greater capacity and less network congestion
- Superior Wi-Fi 6 performance with speeds reaching up to 2402 Mbps (5GHz) and 574 Mbps (2.4GHz)¹
- Provides strong Wi-Fi anywhere at your premises
- Usable design featuring a built-in heatsink and magnetized antenna base for desktop use and flexible placement options
- Includes both standard and low-profile brackets to accommodate any size of motherboard and chassis backplate
- Compatible with any AQUILA PRO AI series routers, which create an AI-powered mesh Wi-Fi network that covers your entire home



User Benefits



Wi-Fi 6

Perfect for uninterrupted 4K streaming, online gaming and video calling



Dual Band Connectivity

2.4GHz and 5GHz Wi-Fi bands for flexible connectivity depending on your wireless environment and usage



WPA3™ Encryption

Offers the latest Wi-Fi security for better protection and safer connections



Backwards Compatible

Fully compatible with any Wi-Fi routers



BT Support

Connect to BT devices like game controllers, headphones, and keyboards without any additional adapters



Strong Signal

Two external adjustable antennas for improved transmission efficiency and connection stability



Universal Support

Simple setup with driver support for Windows 11/10



Instant Upgrade

Easily add or upgrade wireless connectivity to desktop computers and servers with simple setup

Technical Specifications

General	
Wireless Encryption	WPA WPA2 WPA3
Standards	IEEE 802.11ax/ac/n/a (5 GHz) IEEE 802.11ax/n/g/b (2.4 GHz) IEEE 802.3u/ab/bz BT 5.3
Wi-Fi Data Rate ¹	5GHz up to 2402 Mbps 2.4 GHz up to 574 Mbps
Antenna Type	Two external dipole antennas <ul style="list-style-type: none">• 5 GHz: 3.25 dBi• 2.4 GHz: 2.57 dBi
LED	Power, Status
Requirements	
Operating System	Windows 11 / Windows 10 (64 bit)
Interface	PCI Express connector (PCIe Gen 2) USB 2.0 header connector (for optional BT) ²
Physical	
Dimensions ³	121 x 79 x 25 mm (4.76 x 3.11 x 0.98 in)
Weight ⁴	87 grams (3.07 oz)
Power	<ul style="list-style-type: none">• Power consumption:<ul style="list-style-type: none">• Standby mode: 720mA @ax160MHz• Operating mode: 880mA @ax160MHz• Operating voltage: 3.3V DC+/-10%
Operating Temperature	0 to 40 °C (32 to 103 °F)
Storage Temperature	-20 to 65° C (-4 to 149° F)
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Certifications	FCC Class B CE IC
Package Contents	
AX30E	AX3000 Wi-Fi 6 PCIe Adapter 2 x High Performance Antennas Magnetized Antenna Base with 1.5M (4.92ft) RF Cable Standard and Low Profile Bracket BT Header Cable Quick Installation Guide

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

2. The USB box header can be connected to provide the optional BT signal and should be connected to a corresponding 2x5-pin header on the motherboard.

3. PCB only

4. Includes heatsink.