ComX Computers
Product Specification Sheet

WU5400

Cudy AX5400 Black Wi-Fi 6E USB 3.0 Tri-Band High-Gain Adapter

Product Overview

Cudy AX5400 Black Wi-Fi 6E USB 3.0 Tri-Band High-Gain Adapter; 2 x 2 mimo; dual high gain antennas; windows 10 11 compatible; 6ghz low latency; plug and play











Specifications

About this product

The Cudy AX5400 Wi-Fi 6E USB 3.0 Tri-Band High-Gain Adapter delivers ultra-fast wireless connectivity with next-generation 6 GHz support, providing speeds up to 5400 Mbps across 2.4 GHz, 5 GHz, and 6 GHz bands for low-latency gaming, streaming, and high-performance networking. Designed with high-gain antennas and USB 3.0 for maximum throughput, this plug-and-play adapter is ideal for upgrading desktops or laptops. Buy now from our website for fast delivery in South Africa.

Overview Summary

Cudy AX5400 Wi-Fi 6E USB 3.0 Tri-Band Adapter

The Cudy AX5400 USB adapter upgrades your PC or laptop to the latest Wi-Fi 6E standard, enabling tri-band connectivity with access to the ultra-fast 6 GHz spectrum. With combined speeds of up to 5400 Mbps, it ensures smooth 4K streaming, responsive online gaming, and efficient multitasking without congestion or interference.

Built with USB 3.0 for high-speed data transfer and dual high-gain antennas for improved signal reception, this adapter offers stable long-range performance. Its plug-and-play functionality with built-in drivers for Windows 10 and 11 ensures quick setup without complicated installation processes.

Performance tier: High-end

Uses:gaming, streaming, desktop upgrade, laptop connectivity, high-speed internet access, remote work

Description

The Cudy AX5400 Wi-Fi 6E USB adapter is engineered to deliver cutting-edge wireless performance by leveraging tri-band technology across 2.4 GHz, 5 GHz, and the newly available 6 GHz spectrum. This ensures reduced interference, faster data transmission, and improved latency, especially in high-density network environments. With speeds reaching up to 2402 Mbps on both 5 GHz and 6 GHz bands, users benefit from seamless connectivity for demanding applications.

Its high-gain antenna design enhances signal strength and coverage, making it suitable for both home and office environments where stable connectivity is critical. The USB 3.0 interface enables high-speed data transfer, ensuring that the adapter performs at its full potential without bottlenecks.

Designed for ease of use, the adapter supports plug-and-play functionality with integrated drivers, allowing users to quickly install and connect without needing external software. It is fully compatible with Windows 10 and Windows 11 systems, making it an ideal upgrade for modern computing needs.

Features

Advanced wireless technology and high-speed performance combine to deliver reliable connectivity for demanding users.

- Tri-band Wi-Fi 6E: Access 2.4 GHz, 5 GHz, and 6 GHz bands for faster speeds and reduced congestion.
- AX5400 speeds: Up to 2402 Mbps on 5 GHz and 6 GHz, plus 574 Mbps on 2.4 GHz.
- USB 3.0 interface: Ensures high-speed data transfer without performance limitations.
- High-gain antennas: Improved signal strength and wider coverage for stable connections.
- Low latency performance: Ideal for gaming and real-time applications using the 6 GHz band.
- Plug and play: Built-in drivers allow quick setup on Windows systems.
- 2 x 2 MIMO: Enhances efficiency and throughput for multiple simultaneous connections.

Unleash the Power of Tri-Band with Wi-Fi 6E AX5400
Experience next-level speed, stability, and performance with Tri-Band technology, delivering ultra-fast connectivity for streaming, gaming, and multitasking like never before.

The Express Way: 6 GHz Band - Your Dedicated Gaming Lane
Step into the future with the exclusive 6 GHz band - a green field frequency with nearly zero interference. Enjoy a clutter-free connection tailored for gamers, guaranteeing a pristine, lag-free experience that takes your e-sports performance to the next level.

High-Gain Antennas
Supercharge your PC's wireless performance with WU5400, featuring external high-gain antennas that deliver exceptional performance for high demanding tasks.

USB 3.0 Lightning-Fast Data Transfer
USB 3.0 delivers blazing-fast speeds up to 10x faster than USB 2.0 (5Gbps max), featuring bidirectional transfer and backward compatibility for stable, high-performance connectivity that elevates user experience.

Plug & Play
No CD needed - the WU5400's integrated drivers self-install on Windows 10/11. Simply plug in and experience instant, hassle-free connectivity.

Effortless High-Speed Windows Connectivity
Designed for Windows 10/11 and beyond, the WU5400 delivers instant plug-and-play compatibility with automated driver optimization, ensuring ultra-low latency and peak bandwidth for seamless network experiences.

What's in the Box

- 1 x Cudy AX5400 Wi-Fi 6E USB Adapter
- 1 x User manual

Specifications

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Specifications	
Product Code	WU5400
Wireless	
6 GHz Wi-Fi Speed	2402 Mbps
5 GHz Wi-Fi Speed	2402 Mbps
2.4 GHz Wi-Fi Speed	574 Mbps
6 GHz Wi-Fi Streams	2 Spatial Streams
5 GHz Wi-Fi Streams	2 Spatial Streams
2.4 GHz Wi-Fi Streams	2 Spatial Streams
Wi-Fi Antennas	2
Interfaces	
LED	System
Reliability	

Environment	Operating Temperature: 0 degreesC ~ 40 degreesC (32 degreesF ~104 degreesF)
	Storage Temperature: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF)
	Humidity: 10% ~ 90% non-condensing
	Storage Humidity: 5% ~ 95% non-condensing
Requirements	
Hardware Requirement	Requires a USB 3.0 or higher standard USB port for full speed
Compatible OS	Windows 10/11 or later OS
Driver Installation	Auto driver installation on Windows 10/11.
	The 6 GHz Wi-Fi band is only supported on Windows 10 version 22H2 and later.
Mechanical	
Dimension	29.9x13.2x88.8 mm
	1.18x0.52x3.5 inches
Product Weight	24.7 g (0.87 oz.)
Ordering Information	
Retail Package Weight	78.0 g (2.75 oz.)
Retail Package Dimension	90x25x150 mm
	3.54x0.98x5.91 inches
Carton Net Weight	15.6 kg (34.39 lbs)
Carton Gross Weight	16.7 kg (36.82 lbs)
Units per Carton	200
Carton Dimension	53.6x47.4x32.2 cm
	21.1x18.66x12.68 inches

FAQ

Does the Cudy AX5400 USB adapter support Wi-Fi 6E?

Yes, it supports Wi-Fi 6E and operates on the 6 GHz band in addition to 2.4 GHz and 5 GHz, providing faster speeds and lower latency.

Is this adapter compatible with Windows systems?

The adapter is designed for Windows 10 and Windows 11 and includes built-in drivers for quick plug-and-play installation.

Do I need a USB 3.0 port for this adapter?

Yes, a USB 3.0 port is recommended to achieve full performance and maximum wireless speeds.

Can this adapter improve gaming performance?

Yes, the 6 GHz band offers low latency and reduced interference, making it ideal for online gaming and real-time applications.

Does it require manual driver installation?

No, the adapter features integrated drivers that install automatically when plugged into a compatible Windows system.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/WU5400-Cudy-AX5400-Black-Wi-Fi-6E-USB-3-0-Tri-Band-High-Gain-Adapter-p-336649.php

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