

Wi-Fi 6E PCIe Network Card with Bluetooth 5.3, Magnetic Antenna Base with 3.6ft Cables, Tri-Band 802.11ax, AX5400 WiFi NIC, Windows/Linux - PCI Express Wi-Fi Card for PC

Produkt-ID: PAX2235-WIFI-6E-CARD



This Wi-Fi 6E Network Card enhances desktop capabilities, enabling high-speed low-latency wireless communication with reduced interference and less congestion in the 6GHz band, with speeds of up to 2400Mbps.

The PCIe 3.0 Wi-Fi card is backwards compatible with 802.11b/a/g/n/ac standards on both the 5GHz (2400Mbps) and 2.4GHz (574Mbps) bands. It includes a low-profile bracket for small form-factor systems. The Wireless Network Adapter is supported on both Windows* and Linux operating systems.

The antenna base is magnetized and equipped with a 3.6ft attached cable, allowing for flexible antenna placement, optimizing signal reception and minimizing interference. In addition, the base of the antenna is covered in rubber to enhance grip when placed on level non-metallic surfaces.

This card features Bluetooth 5.3, enabling fast data transfers at 2Mbps, and offering an extended range, improved connection stability, and lower power consumption. To enable Bluetooth functionality, connect the 4-Pin IDC to 9-Pin USB Header (Bluetooth Cable - Included) to an available 9-Pin USB Header, located on the motherboard of the Host Computer.

WPA3 offers secure encryption for Wi-Fi password safety. OFDMA and MU-MIMO features improve network performance, reducing latency and enhancing data transfer efficiency. The all-metal aluminum heatsink dissipates excessive heat to maintain optimal performance.

Zertifikate Berichte und Kompatibilität



Anwendungen

- Add, replace, or upgrade the wireless capabilities of a desktop system to the latest standard
- Connect to the less congested 6GHz WiFi band to avoid interference from common wireless devices
- Video conference, transfer files, or stream videos without lag through faster wireless performance

Merkmale

- **WIFI 6E NETWORK CARD:** Add Wi-Fi 6E capability to a desktop, enabling high-speed low-latency wireless communication with reduced interference and less congestion in the 6GHz band (up to 2400Mbps)
- **COMPATIBILITY:** PCIe 3.0 Wi-Fi Card is backwards compatible with 802.11a/b/g/n/ac standards on 5Ghz (2402Mbps) and 2.4Ghz (574Mbps) bands; Low-profile bracket included for small form-factor systems; NOTE: Windows 10 does not support the 6Ghz band
- **ANTENNA BASE:** Included freestanding magnetic base with 3.6ft attached cable enables flexible placement of the antennas, allowing for optimal signal reception and reduced interference; Features a rubber base for grip when used on non-metallic surfaces
- **BLUETOOTH 5.3:** Enables fast data transfer (2Mbps) with extended range, improved connection stability, and lower power consumption; Included USB header cable must connect to an available 9-Pin USB 2.0 header on the motherboard for Bluetooth functionality
- **SECURE & RELIABLE:** OFDMA and MU-MIMO boost network performance by reducing latency and enhancing data transfer efficiency; WPA3/WPA2 enhance the security of personal password protection; Metal heatsink aids heat dissipation for optimal performance

Hardware

Garantiebestimmungen 2 Years

Schnittstelle Drahtlos

Bustyp PCI Express

Kartentyp	Standard Profile (LP-Slotblech mitgeliefert)
Antennenkonfiguration	External Magnetic Base w/2x 5dBi Wi-Fi 6E Tri-Band Antennas
Industrienormen	IEEE 802.11ax IEEE 802.11ac IEEE 802.11n IEEE 802.11g IEEE 802.11a IEEE 802.11b PCI Express 3.0 Bluetooth 5.3 Class 2 BDR Basic Data Rate EDR Enhanced Data Rate BLE Bluetooth Low Energy USB 2.0
Chipset-ID	Intel - AX210

Leistung

Max. Datenübertragungsrate	Wireless 2400Mbps (6Ghz) 2400Mbps (5Ghz) 574Mbps (2.4Ghz) Bluetooth 2Mbps
ESD Protection	+/-8kV (Contact) +/-15kV (Air)
Full Duplex-Unterstützung	Ja
Promiscuous Mode	Ja
Frequenz	2.4~6Ghz

	Modulation	1024-QAM
	Sicherheitsmerkmale	WPA3 personal and enterprise including WPA2 transition mode
		AES
	MTBF	50.000 Stunden
	Unterstützte Protokolle	Intel vPro
		Intel AMT
Steckverbinder		
	Interne Ports	1 - 4 pin IDC (USB Motherboard Header) Female
	Externe Ports	2 - RP-SMA (Koax, Reverse Polarity SubMiniature A)
	Hostanschlüsse	1 - PCI Express x1
Software		
	Betriebssystemkompatibilität	Windows 10, 11
		Linux 6.2 and up - LTS Versions Only
Spezielle Hinweise/Anforderungen		
	Hinweis	Windows 10 does not support the 6Ghz wireless band
Anzeiger		
	LED-Anzeiger	1 - Solid Green: PCIe Wi-Fi Card is installed and receiving power
Strom		
	Stromversorgung	Busgespeist
Umgebungsbedingungen		
	Betriebstemperatur	0°C to 40°C (32°F to 104°F)
	Lagertemperatur	-10°C to 70°C (14°F to 158°F)
	Feuchtigkeit	10 bis 90% relative Luftfeuchtigkeit (nicht kondensierend)

Physische Eigenschaften

Farbe	Schwarz
Gehäusotyp	Aluminium
Kabellänge	3.6 ft [1.1 m]
Produktlänge	4.7 in [12.0 cm]
Produktbreite	2.4 in [6.2 cm]
Produkthöhe	0.7 in [1.8 cm]
Produktgewicht	7.1 oz [200.0 g]

Verpackungsinform ationen

Paketlänge	5.6 in [14.1 cm]
Paketbreite	6.0 in [15.2 cm]
Pakethöhe	4.4 in [11.2 cm]
Versandgewicht (Verpackung)	12.6 oz [358.0 g]

Verpackungsinhalt

Im Paket enthalten	1 - PCIe Wi-Fi Karte
	1 - Magnetischer Antennenfuß
	1 - Bluetooth Kabel
	1 - Low-Profile Bügel
	1 - Kurzanleitung

Garantieinformatio nen

Warranty	2 Jahre
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* Größe, Aussehen und Spezifikationen sind Änderungen ohne vorherige Ankündigung vorbehalten.