

AX1800 Dual-Band Wi-Fi 6 USB Wireless Adapter

Data Sheet

Product Overview

The EP-AX1693S is an AX1800 dual-band Wi-Fi 6 USB wireless adapter designed for desktop and laptop computers. Based on IEEE 802.11ax technology, it delivers improved throughput, lower latency, and enhanced connection stability compared with previous-generation Wi-Fi standards. This product is suitable for home, office, and general commercial networking applications.



Key Features

- Compliant with Wi-Fi 6 (IEEE 802.11ax), backward compatible with 802.11ac/a/b/g/n
- AX1800 wireless class with dual-band operation (2.4GHz and 5GHz)
- Supports high-efficiency modulation up to 1024-QAM
- Integrated FEM (PA + LNA) for improved RF performance
- USB 3.0 high-speed interface
- Designed for desktop and notebook wireless network upgrades

Core Specifications

Item	Description
Model	EP-AX1693S
Chipset	ZT9612U
Interface	USB 3.0
Wireless Standard	IEEE 802.11ax/ac/a/b/g/n
Wireless Speed	AX1800 (574Mbps @2.4GHz + 1201Mbps@5GHz)
Frequency Band	2.4GHz & 5GHz
Max Transmit Power	Up to 20dBm (EIRP)
Modulation	OFDM/CCK/16-QAM/64-QAM/1024-QAM
Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Physical Specifications	75×29×14 mm

System Compatibility

- Windows 10 (32/64-bit)
- Windows 11 (32/64-bit)
- Windows 7 (Hotspot/AP mode is not supported; device recognized as USB 2.0)

Typical Applications

- Desktop computer wireless connectivity upgrade
- Notebook Wi-Fi performance enhancement
- Home and office networking environments
- Video conferencing and multimedia streaming