

# Wi-Fi 6 AX 1800Mbps USB3.0 Wireless Ethernet Adapter

USB-18AX

airlive®



WiFi 6  
a/b/g/n/ac/ax

Dual Bands  
2.4Ghz/5.8Ghz

2 Antennas  
External

Driver Free  
Installation

WPS Button

USB3.0  
Type A

Windows  
Mac/Linux

Hot  
Swapping

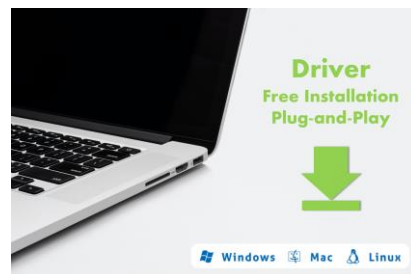
## Overview

### Upgrading your notebook | PC to advanced Wi-Fi 6

AirLive USB-18AX WiFi 6 USB 3.0 WiFi 6 adapter is developing for upgrading you Notebook or PC to the ultrafast speed 1800Mbps and enjoying advanced WiFi 6 technology. Compliant with 802.11ax WiFi 6 technology, it supports most of Wi-Fi 6 advantages such as OFDMA | MU-MIMO | OBSS | Range Boost better wireless signal and coverage; 1024 QAM data encryption for large data uploading/downloading efficiently, WPA3 enhanced security. With USB-18AX installed, your notebook or PC can connect to Wi Fi 6 router, such as AirLive W6184QAX, and to enjoy the latest wireless technology at ultra high speed wireless connection.

### Driver Free Installation

Plug and Play for macOS and Linux, Integrated driver for Windows OS with just one click to install automatically.



### Super fast WiFi Speed

USB-18AX supports dual bands WiFi 6 technology. It is almost 1.5x faster comparing to Wi-Fi 5 11ac or, 4X faster than 11n.

Compare: 18AX USB to AC USB wireless adapter  
WiFi6 USB-18AX: 2x2 802.11ax on 5 GHz / 80 MHz channels with 1024QAM modulation  
WiFi5 USB 11AC: 2x2 802.11ac on 5 GHz / 80 MHz channels with 256QAM modulation



## Features

- Upgrades Notebook and PC to WiFi 6 via USB with speed up to 1800Mbps
- 802.11ax/ac/a/b/g/n compliant, dual bands, 2x2 2T2R
- Driver Free installation for windows OS
- Enjoys WiFi 6 technology and great transmission in high density environments with OFDMA, MU-MIMO and BSS coloring
- External antennas and optional cradle ensures powerful WiFi signal
- Supports WPA3 for enhanced WiFi security and more robust authentication
- Easy installation: Plug-and-Play, USB hot-swapping
- Supports Windows Win7/Win8.1/Win10 (32/64bit), Mac OS and Linux.
- Great upgrade for online gaming and online streaming

## Enjoy Wi-Fi 6 Technology and Advantages

Apart to upgrade wireless connection to 1800Mbps high speed, AirLive USB-18AX Wi-Fi 6 USB 3.0 adapter contributes Wi-Fi 6 advantages which is much better than Wi-Fi 5 11ac or 11n. The OFDMA | MU-MIMO | OBSS | Range Boost for having strong wireless signal and wide coverage; 1024 QAM data encryption for large data uploading/downloading efficiently, WPA3 enhanced security.



### 4X Greater Scalability and Connections

OFDMA and MU-MIMO greatly increase connection efficiency; OBSS prevents interference; BSS coloring Wi-Fi signal follow; 1024QAM enables multiple sets of devices and clients perform at the same time or enhance up throughput and capacity, plenty of headroom for future growth. Works with WiFi 6 compatible router, such as AirLive W6184QAX, to enjoy all the benefits of the Wi-Fi 6 standard.



### Color Wi-Fi Signal

BSS Wi-Fi 6 technology virtually colors WiFi signal which is similar as beam-forming technology delivering data to target directly and bringing efficient transmission. OBSS prevents interference.



### 75%~80% Boosts WiFi Range and Coverage

OFDMA divides frequency channels into smaller sub-channels; OBSS identify local traffic and tune out noise that interference avoidance.



### Enhanced WPA3 Network Security

Wi-Fi 6 WPA3 Security improves network security, enable next-generation authentication and best-in-class encryption.



### Enjoy 1800Mbps Downloading and Stream Media

Use USB-18AX to download and stream media from YouTube, Netflix or other services without waiting for caching, or stream media over the network from your NAS (network attached storage) at super-fast speeds. Stream or download HD movies faster and more reliable than ever with 802.11ax Wi-Fi.

## Hardware

- **Device Interface:**  
1 x USB 3.0 type A, 2x 3dbi Antenna
- **Wireless speed**  
2T2R Dual Bands 2.4G/5GHz  
802.11ax (2.4GHz) : Max 573.5 Mbps  
802.11ax (5GHz) : Max 1201 Mbps
- **Standard**  
Support USB3.0/2.0/1.1 compliant  
2.4GHz: IEEE 802.11b, 802.11g, 802.11n, 802.11ax  
5.8GHz: IEEE 802.11ac, 802.11a, 802.11n, 802.11ax
- **Support Operation System**  
Windows 7/8.1/10/11 (32/64bit), Mac Os, Linux
- **Support Frequency Band**  
2.4000 - 2.4835GHz\*  
5.150 - 5.825GHz\*  
CE: Band 1: 5.150~5.250(GHz)  
\*Subject to local regulations
- **Support Frequency Band**  
1~14(2.4Ghz); 36~165(5.8G)
- **Security**  
WEP 64/128-bit, WPA, WPA2, WPA3

- **Modulation Type**  
OFDM/CCK/16-QAM/64-QAM

## Environment

- **Operating Temperature:** 0°C ~ +50°C
- **Storage Temperature:** -10°C ~ +70°C
- **Humidity:** 5%~95%, non-condensing

## Standard package of Device

- **Product size:** 90\*30\*14.5mm
- **Product Weight/Package Weight:** TBD
- **Package content:**  
1 x Wireless Ax1800 USB adapter

## Standard carton package (USB-18AX only)

- **Quantity:** 250pcs / CTN
- **Dimensions:** 54\*43\*32 CM
- **G.W:** TBD

## Ordering Information

- **Model & Name:**  
USB-18AX: WiFi6 AX 1800Mbps USB3.0 Wireless Ethernet Adapter  
ACC-USBBase-1: USB3.0 Cradle type A to A, with cable 0.8 meter (option)

