

## ALLNET Wireless AX 1800Mbit USB 3.0 WLAN Stick Dongle ALL-WA1800AX

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### EAN CODE



### 1800Mbps High Speed WiFi 6 USB Wireless Adapter 802.11ax 2.4G & 5G USB 3.0 Network Card Support OFDMA WPA3 For Desktop/ Notebook Win7/10

#### Highlights:

- Chipset: RTL8832AU,Built-in PA
- Wireless Standard: IEEE802.11a/b/g/n/ac/ax
- Application: Desktop/notebook
- USB: USB3.0 compatible with USB2.0
- Wireless Rate: 2.4GHz : 600Mbps; 5.8GHz: 1201Mbps
- Antenna: 2\*2dBi
- Encryption: WPA2\*; WPA3\*
- Support os: Win 7(32/64bit), Win 10(32/64bit)

#### Features:

##### 1. New Generation WIFI 6 USB Wireless Adapter

ALL-WA1800AX integrates Fast speed, Low latency, Large capacity, more Security and Power saving, with USB port, which significantly surpasses WiFi5 USB network card in terms of performance. Also much easier using than PCI-E WiFi6 network card, it is applicable to a wider range of people and compatible devices.

##### 2. 1800mbps High Speed Rate



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2.4GHz 600Mbps plus 5.8GHz 1201Mbps, the connection rate and network capacity have been significantly improved, greatly reduce the network delay and channel interference. Allows users enjoy a smooth game experience. No more limited to network cables, freely enjoy wireless.

### 3. Enhanced antenna, USB3.0 interface, flexible folding design

It has an external foldable antenna that can sensitively send and receive WiFi signals. USB3.0 interface has a more efficient and fast transmission rate and good compatibility. Downward compatible with USB2.0.

### 4. Best choice for WiFi6 phones, WiFi6 routers and computers

Many home have replaced WiFi6 routers, but the receivers such as laptops, desktops, mobile phones, etc. do not support WiFi6. A WiFi6 USB network card can easily realize the connect, and users can fully enjoy the shocking experience brought by WiFi6.

01

## Fast speed

Enjoying smooth WiFi speed at home

WiFi6  
single band

1.2Gbps

WiFi5  
single band

433Mbps

**02**

## High capacity

Up to 128 devices can be connected at the same time

WiFi6 5GHz

**128**

WiFi5 5GHz

**32****03**

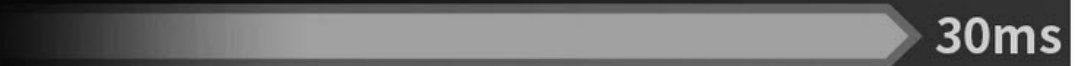
## Low latency

WiFi low latency for playing game and watching live

WiFi6

**10ms**

WiFi5

**30ms**

**04**

## Low consumption

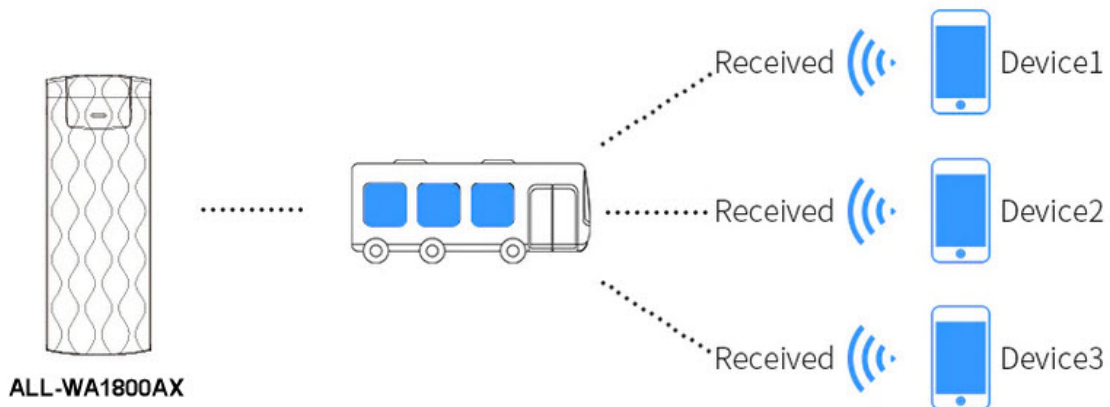
WiFi6 power  
consumptionWiFi5 power  
consumption

# OFDMA technology improvement

## Network latency has dropped dramatically

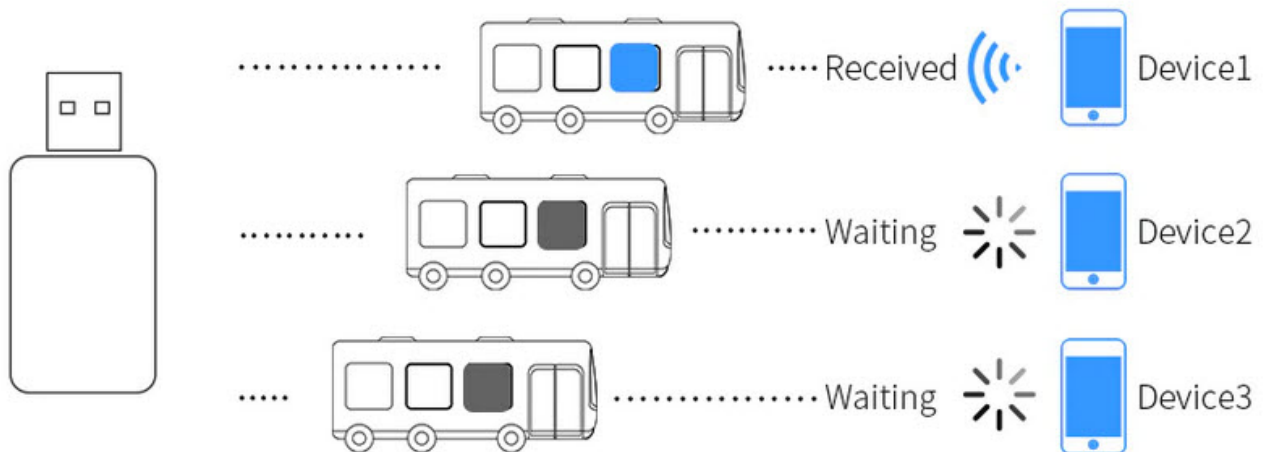
Support OFDMA WiFi 6 wireless adapter

Can transmit multiple user's data at the same time



## Traditional Wi-Fi5 wireless adapter

Only transmitting 1 user's data at the same time



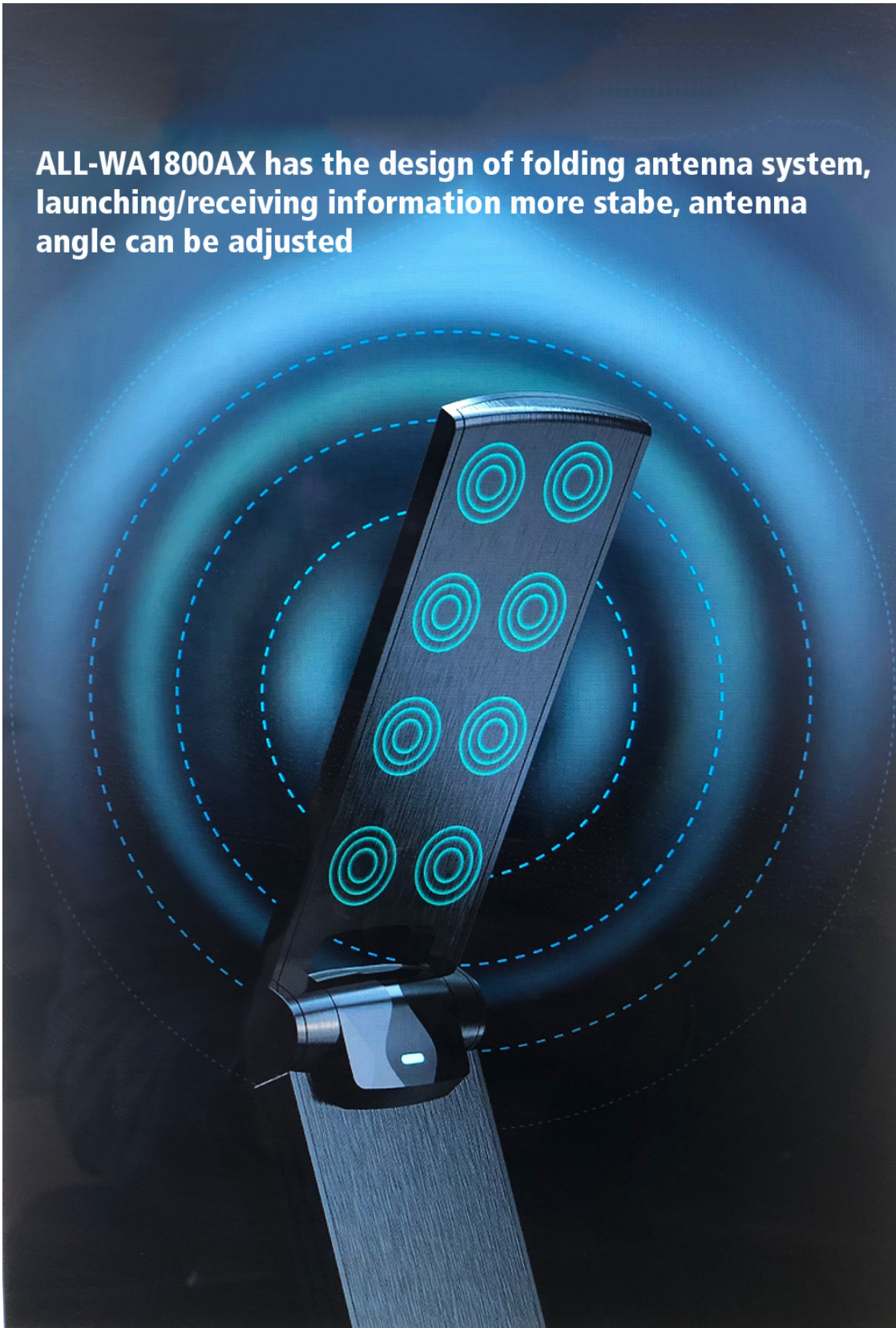
Note: The function need to be supported OFDMA by terminal equipment,  
and must be used with WiFi 6 router at the same time

# WPA3 Encryption

## Internet privacy and security



**ALL-WA1800AX has the design of folding antenna system,  
launching/receiving information more stable, antenna  
angle can be adjusted**







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## Technical Details:

Chipset	Realtek RTL8832AU
Interface	USB 3.0 Type A, compatible with USB 2.0
Frequency	ISM Band, 2.412~2.4835 GHz, 5.180~5.825 GHz
Transmission Rate	2,4Ghz: 600Mbps 5,8Ghz: 1200Mbps
Other functions	Support soft AP
Wireless Standard	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11ax
LED Indicator	power indicator
Antenna	external high gain antenna
Support OS	Windows 7 / 10 (32bit / 64bit) latest driver see here <a href="https://www.realtek.com/en/component/zoo/category/rtl8812au-software">https://www.realtek.com/en/component/zoo/category/rtl8812au-software</a>
Encryption	WPA2/WPA3
Environment	0°~40°C (working Temperature) -40°~70°C (Storage Temperature) 10%~90% (working Humidity, Non-condensing) 5%~90% (Storage Humidity, Non-condensing)
Product size	(L) 163 x (W) 31 x (H) 9mm
Weight	63g

## Accesorios

Número de artículo	Denominación
116355	ALLNET ALL-WAP02860AC Punto de acceso AC Dual Band 1750Mbit



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Número de artículo	Denominación
116357	ALLNET ALL-WAP0305AC Punto de acceso Dual Band 1750Mbit IP68
122215	ALLNET ALL-WAP02880AC Punto de acceso AC Dual Band 1750Mbit