



OW300

AX300 Wi-Fi 6 USB 2.0 Adapter

Wi-Fi 6 (802.11ax), 2.4GHz, USB 2.0



The ORIGO OW300 is an AX300 Wi-Fi 6 USB 2.0 adapter which complies with the wireless standard 802.11ax.

The ORIGO OW300 Wi-Fi adapter is based on the AIC8800FC controller and is a simple and affordable solution for connecting a PC or a laptop to the Wi-Fi 6 network.

The AX300 Wi-Fi speeds of up to 286 Mbps in 2.4GHz band are perfect for watching streaming video, downloading large files and online gaming without delays and interruptions.

The compact casing makes the OW300 suitable for handheld devices. The ORIGO OW300 Wi-Fi adapter is an ideal solution for use at home, in the office and on trips.

Key Features

- 1xUSB 2.0 port
- The AIC8800FC controller
- AX300 speeds up to 286 Mbps (2.4GHz)
- USB bus powered (PC)
- Windows 7/10/11 and Linux OS support
- Compact and lightweight



Specifications

Hardware

Chipset	• AIC8800FC
Interfaces	• USB 2.0 Type-A
Antenna	• 2 dBi internal antenna

Wi-Fi Parameters

Standards	<ul style="list-style-type: none">• IEEE 802.11ax• IEEE 802.11n• IEEE 802.11g• IEEE 802.11b
Frequency Range	• 2.4GHz – 2.4835GHz
Data Rate	<ul style="list-style-type: none">• 2.4GHz<ul style="list-style-type: none">- 11ax: up to 286 Mbps- 11n: up to 150 Mbps- 11g: up to 54 Mbps- 11b: up to 11 Mbps
Wireless Security	<ul style="list-style-type: none">• WEP• WPA/WPA2• WPA3¹
Transmitter Output Power	• Not more than 20 dBm (100 mW)
Receiver Sensitivity	<ul style="list-style-type: none">• 2.4GHz<ul style="list-style-type: none">- 11b (11 Mbps): -85 dBm- 11g (54 Mbps): -72 dBm- 11n (150 Mbps): -72 dBm- 11ax (286 Mbps): -68 dBm

System Requirements

System Requirements	<ul style="list-style-type: none">• Windows 7/10/11, Linux• USB 2.0 Type-A port
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Physical Parameters

Dimensions (L x W x H)	• 22.3 x 16.6 x 8.5 mm
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¹ WPA3 support for Windows OS will be available in the following driver versions.



Operating Conditions

Power	<ul style="list-style-type: none">• PC (USB), 5 V
Temperature	<ul style="list-style-type: none">• Operating: 0 to 40 °C• Storage: -20 to 60 °C
Humidity	<ul style="list-style-type: none">• Operating: 10% to 90% (non-condensing)• Storage: 5 to 95% (non-condensing)

Package Contents

Package Contents	<ul style="list-style-type: none">• OW300 Wi-Fi 6 USB Adapter• Quick Installation Guide
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Order Info

OW300	AX300 Wi-Fi 6 USB 2.0 Adapter, 2.4GHz
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