



OW1800M

AX1800 Wi-Fi 6/6E USB 3.0 Adapter

Wi-Fi 6/6E (802.11ax), USB 3.0, 2.4/5GHz



The ORIGO OW1800M AX1800 Wi-Fi 6/6E USB 3.0 Adapter is equipped with two 2.5 dBi fixed antennas.

The ORIGO OW1800M Wi-Fi adapter is based on the MT7921AUN chipset and is a simple and affordable solution for connecting a PC or a laptop to Wi-Fi 6/6E networks.

The OW1800M provides maximum wireless speeds up to 1201 Mbps in the 5GHz band and up to 574 Mbps in the 2.4GHz band, which making it ideal for online gaming and 4K streaming.

802.11ax protocol with OFDMA and MU-MIMO technologies ensure a fast and efficient Wi-Fi connection with multiple connected devices. The OW1800M supports WPA3 encryption that provides Wi-Fi security.

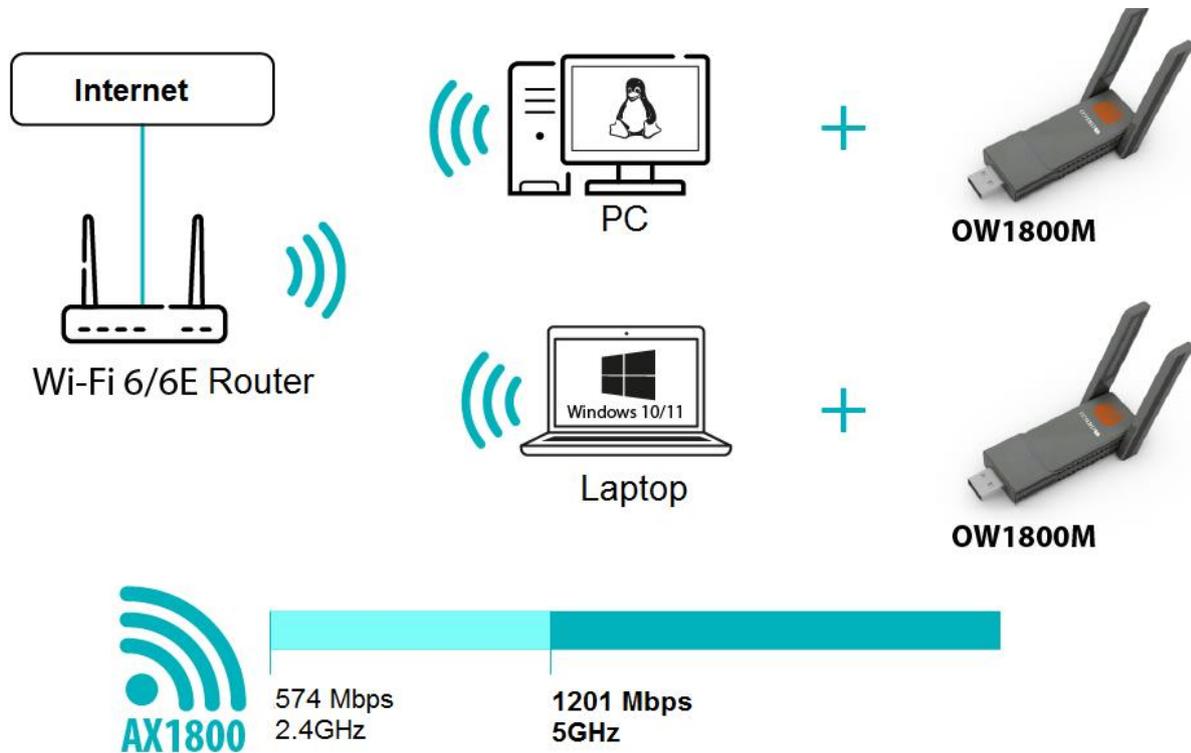
The OW1800M adapter is compatible with Windows 10/11 and Linux operating systems.

Key Features

- Connects PCs and laptops to Wi-Fi 6/6E (802.11ax) networks
- The MT7921AUN chipset
- AX1800 speeds up to 1201 Mbps (5GHz) and 574 Mbps (2.4GHz)
- High-speed USB 3.0 interface
- Two 2.5 dBi fixed antennas for better Wi-Fi signal reception
- WPA/WPA2/WPA3 encryption standards
- Compatible with all existing network infrastructures
- Windows 10/11 and Linux OS support



Application Scheme



Specifications

Hardware

Chipset	• MT7921AUN
Interfaces	• USB 3.0 Type-A
Antenna	• Two 2.5 dBi fixed antennas
LEDs	• Status LED - Solid white – power is on - Blinking green – wireless connection is being established - Solid green – wireless connection was established, data is being transmitted
Casing	• Plastic

Wi-Fi Parameters

Standards	• IEEE 802.11ax (Wi-Fi 6/Wi-Fi 6E) • IEEE 802.11ac • IEEE 802.11n
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	<ul style="list-style-type: none">• IEEE 802.11g• IEEE 802.11b• IEEE 802.11a
Frequency Range	<ul style="list-style-type: none">• 2.412GHz – 2.4835GHz• 5.18GHz – 5.35GHz• 5.65GHz – 5.825GHz
Data Rate	<ul style="list-style-type: none">• 2.4GHz<ul style="list-style-type: none">- 11ax: up to 574 Mbps- 11n: up to 300 Mbps- 11g: up to 54 Mbps- 11b: up to 11 Mbps• 5GHz<ul style="list-style-type: none">- 11ax: up to 1201 Mbps- 11ac: up to 867 Mbps- 11n: up to 300 Mbps- 11a: up to 54 Mbps
Wireless Security	<ul style="list-style-type: none">• WPA/WPA2/WPA3• WPS 2.0

System Requirements

System Requirements	<ul style="list-style-type: none">• Windows 10/11, Linux Ubuntu 22.04.1• USB 3.0 Type-A port <p><i>(Using a USB 1.1 or USB 2.0 port will affect device performance. USB 3.0 port is recommended)</i></p>
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Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none">• 137 x 41 x 12 mm
Weight	<ul style="list-style-type: none">• 49.8 g
Package Dimensions	<ul style="list-style-type: none">• 11 x 7 x 2 cm
Gross Weight	<ul style="list-style-type: none">• 60 g

Operating Conditions

Maximum Power Consumption	<ul style="list-style-type: none">• 550 mA
Operating Voltage	<ul style="list-style-type: none">• 5 V
Temperature	<ul style="list-style-type: none">• Operating: 0 to 40 °C• Storage: -40 to 70 °C



Humidity	<ul style="list-style-type: none">• Operating: 10% to 90% (non-condensing)• Storage: 5 to 90% (non-condensing)
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Package Contents

Package Contents	<ul style="list-style-type: none">• OW1800M Wi-Fi USB Adapter• Quick Installation Guide
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Order Info

OW1800M	AX1800 Wi-Fi 6/6E USB 3.0 Adapter, 2.4/5GHz
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