ORIGO

OWN1200A

AC1200 Wi-Fi PCI-E Adapter

Wi-Fi 5 (802.11ac), 2.4/5GHz, 5 dBi Detachable Antennas

The ORIGO OWN1200A AC1200 Wi-Fi Dual Band PCI-E Adapter is equipped with two 5 dBi detachable antennas.

The ORIGO OWN1200A Wi-Fi adapter is based on the RTL8812AE chipset and is a simple and affordable solution for connecting a PC to a wireless network in the 2.4GHz and 5GHz ranges.

The OWN1200A provides maximum wireless speeds up to 867 Mbps in the 5GHz band and up to 300 Mbps in the 2.4GHz band, which making it ideal for online gaming, HD video streaming and downloading large files. For better Wi-Fi signal reception, the OWN1200A is equipped with two 5 dBi detachable antennas.

The OWN1200A supports installation in any PCI Express slot. The package contents include standard and low-profile brackets for installation in a computer case of any size.

Key Features

- Wi-Fi speeds: up to 867 Mbps in the 5GHz band and up to 300 Mbps in the 2.4GHz band
- The RTL8812AE chipset
- Installation in any PCI Express x1/x4/x8/x16 slots
- Two 5 dBi detachable antennas for better Wi-Fi signal reception
- Windows 7/8/10 OS support
- Low-profile bracket is included

SORIGO

Specifications

Hardware

Chipset	• RTL8812AE
Interface	• PCI Express (PCI-E)
Installation Slot	• PCI Express x1/x4/x8/x16
LEDs	• Status LED
Antenna	• Two 5 dBi detachable antennas

Wi-Fi Parameters

Standards	• IEEE 802.11ac • IEEE 802.11n • IEEE 802.11g • IEEE 802.11b • IEEE 802.11a
Frequency Range	• 2.4GHz – 2.4835GHz • 5.15GHz – 5.35GHz • 5.725GHz – 5.825GHz

Data Rate	• 2,4GHz
	  - 11n: up to 300 Mbps
	  - 11g: up to 54 Mbps
	  - 11b: up to 11 Mbps
	 • 5GHz
	  - 11ac: up to 867 Mbps
	  - 11n: up to 300 Mbps
	  - 11a: up to 54 Mbps

Wireless Security	• WEP, WPA/WPA2
Transmitter Output Power	• Not more than 20 dBm (100 mW)

Receiver Sensitivity	• 2.4GHz
	  - 11b (11 Mbps): -81 dBm
	  - 11g (54 Mbps): -68 dBm
	  - 11n (HT20_MCS7): -65 dBm
	  - 11n (HT40_MCS7): -62 dBm

ORIGO

	• 5GHz
	- 11ac (HT20_MCS7): -65 dBm
	- 11ac (HT40_MCS7): -62 dBm
	- 11ac (HT80_MCS9): -51 dBm

System Requirements

Operating System	• Windows 7/8/10

Physical Parameters

Dimensions (L x W x H)	• 65 x 44.5 x 1.6 mm

Operating Conditions

Power	• PC (PCI Express)
Temperature	• Operating: 0 to 40 °C
	• Storage: -20 to 70 °C
Humidity	• Operating: 10% to 90% (non-condensing)
	• Storage: 5 to 90% (non-condensing)

Package Contents

Package Contents	• OWN1200A Wi-Fi PCI-E Adapter
	• Low-Profile Bracket
	• Two 5 dBi Detachable Antennas
	• Quick Installation Guide

Order Info

OWN1200A	AC1200 Wi-Fi PCI-E Adapter, 2.4/5GHz, Detachable Antennas