



# KS-PE1800

1800M Wi-Fi 6 Bluetooth 5.2 PCIe Network Card

#Version 1.0 by Kosky

# KS-PE1800

## Introduction

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KS-PE1800 is the 802.11ax Wi-Fi 6 PCIe adapter, which supports dual-band wireless transmission rate up to 1800Mbps and Bluetooth 5.2 with faster speeds and broader coverage for your Bluetooth devices. By using KS-PE1800 desktop PCIe adapter you can not only connect the computer to a new-gen high-speed wireless network but also enjoy high-performance of HD/4K multimedias and real-time online gaming. The integration of Wi-Fi 6 technology and Bluetooth 5.2 guarantees the Wi-Fi extreme speeds, ultra-low latency and continuous connection as well as stable and strong wireless connection between the PC and Bluetooth devices. In one word KS-PE1800 is the reliable choice for the desktop computer users who would like to enjoy the strong wireless performance and high-speed Wi-Fi.

## Highlights

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- √ 802.11a/b/g/n/ac/ax standard with maximum 1800Mbps wireless transmission speed
- √ Compatible with latest Bluetooth 5.2 achieves 2x faster speed and 4x broader coverage
- √ 2\*6dBi high-gain antennas ensure greater wireless coverage and enhance the stability
- √ Adoption of latest security WPA3 provides stronger protection for personal password
- √ Compatible with mainstream operating system such as Windows10/11, Linux\* and Chrome OS\*
- √ OFDMA and MU-MIMO assure the experience of more devices with less congestion
- √ Easy-to-deploy and simple setup for quick connection and start using

# Key Features

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## ◆ New generation 802.11ax wireless standard

The latest Wi-Fi technology brings absolutely new speed experience of faster network loads and more device connections.

## ◆ Dual-band Wi-Fi 6 1800Mbps PCIe adapter

Excellent Wi-Fi 6 speed breaks the gigabit speed limitation upto 1200Mbps at 5GHz and 574Mbps at 2.4GHz.

## ◆ Adoption of OFDMA and MU-MIMO technology

OFDMA creates separate channels for devices to communicate and MU-MIMO allows multiple clients to simultaneously receive the data.

## ◆ 2\*6dBi high-gain antennas for better Wi-Fi coverage

Two powerful high-gain antennas positively extend the existed Wi-Fi coverage and offer a fast and smooth online experience.

## ◆ Compatible with latest Bluetooth 5.2 technology

Bluetooth 5.2 brings much better experience for coordination with your game controller, keyboards, headphones and other devices.

## ◆ Advanced network security standard WPA3

Providing more secure and individualized encryption for personal password safety and strongly protect your network from wireless hacking.

# Specification

| Product Information   |   |
|-----------------------|---|
| Model                 | KS-PE1800   |
| Dimensions            | M.2 2230: 22*30*2.4mm<br>M.2 1216: 12*16*1.67mm                       |
| Specifications        |   |
| Chipset               | RTL8852   |
| Wi-Fi Standard        | IEEE802.11a/b/g/n/ac/ax Wi-Fi 6 and BT5.2<br>Wi-Fi: PCI-E and BT: USB |
| Wi-Fi Security        | WPA, WPA2 and WPA3  |
| PCI Bus               | PCI-E-X1/X4/X8/X16  |
| Frequency Range       | Wi-Fi 2.4GHz/5.8GHz and BT 2402~2483MHZ                               |
| Antenna               | 2*6dBi detachable antennas  |
| Transmission Rate     | 2.4Ghz upto 600Mbps and 5.8GHz upto 1200Mbps                          |
| Supported OS          | Microsoft Windows 10/11, Linux* and Chrome OS*                        |
| Radio ON/OFF Control  | Supported   |
| Connection Interface  | M.2 PCIe/USB  |
| WLAN Standard         | IEEE802.11-2016 and select amendments                                 |
| Bluetooth             | Advanced bluetooth 5.2  |
| Others                |   |
| Operating Temperature | 0℃ ~ 60℃  |
| Storage Temperature   | -20℃ ~ 70℃  |
| Operating Humidity    | 10%~90%RH non-condensing  |
| Storage Humidity      | 5%~90%RH non-condensing   |
| Certifications        | CE/FCC  |

## Packaging List

| Material    | QTY |
|-------------|-----|
| KS-PE1800   | 1   |
| SMA Antenna | 1   |
| QIG         | 1   |

## Relevant Useful Products

| Model     | Description                             |
|-----------|---|
| KS-AX3000 | 3000M Wi-Fi 6 New-gen Wireless Router   |
| KS-AP1800 | 1800M Wi-Fi 6 New-gen Ceiling AP        |
| KS-WE1800 | 1800M Wi-Fi 6 New-gen Wireless Extender |

**Note:** For more information about the recommended products you can check our website or freely contact our product R&D team by E-mail: [support@koskyglobal.com](mailto:support@koskyglobal.com)

# Exceed Your **Expectation**



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