USB4 PD100W Expansion card

Quick Installation Guide

Specification

Chipset	Asmedia® 4242 USB4 Host Controller

External connector	• 2x USB4 (USB-C®) ports
	
	   ▪ Supports up to 40Gbps with USB 4.0 devices
	
	   ▪ Supports up to 20V/5A, 100W power charging for USB1
	
	   ▪ Supports up to 9V/3A, 27W power charging for USB2
	
	   ▪ Supports USB4 Display (need to connect the DisplayPort output port on the motherboard or discrete graphics card to the DisplayPort input port on the USB4 PD100W card or both Type C ports only support USB4 data transmission.)
	
	• 2x DisplayPort Input ports
	
	   ▪ DisplayPort 1.4 specification
	
	• 1x 18-pin U4 header
	
	• 1x USB 2.0 header
	
	• 1x 6-pin power connector

Interface	• PCIe 4.0 x4 (depends on motherboard supportive slot)
Operating system	• Windows 11 22H2 and later
Form factor	• 5.2 inch x 4.11 inch (13.2 cm x 10.4 cm)
Package contents	• 1x USB4 PD100W card • 1x U4 header cable • 1x USB 2.0 cable
Compatible Motherboard list	• MPG Z790 CARBON MAX WIFI • MPG Z790 CARBON WIFI II • MPG Z790 CARBON MAX WIFI II • MPG Z790 EDGE TI MAX WIFI • MAG Z790 TOMAHAWK MAX WIFI • PRO Z790-A MAX WIFI • Z790 GAMING PLUS WIFI • Z790 PROJECT ZERO • MPG B760M EDGE TI WIFI • MAG B760M MORTAR WIFI II • MAG B760M MORTAR II

Installing the USB4 PD100W card

1. Insert the USB4 PD100W card into the PCIe 4.0 x4 slot supported by the PCH.

2. Connect JUSB1 and JU4_1 connectors of the USB4 PD100W card to the motherboard. And connect the PCIE_PWR1 to the power supply.

3. Use the screw to secure the USB4 PD100W card in the case bay.

⚠️ NOTE

• The DisplayPort signal input by **DP1** can only be output via **USB1**, and input by **DP2** can only be output via **USB2**.

• When use only one DisplayPort input, it is recommended to use DP1 as the priority input.