

DSP-USBC-1000

14-in-1 USBC 8K Docking Station CHD MST



Introduction

14-in-1 USBC 8K Docking Station CHD MST, the Pluggable Universal Laptop Docking Station for Windows and Mac allows you to add up to three monitors, and connect your peripherals, all through a single cable back to your laptop.

Video output support SST 、 MST mode, and using different monitors to deal with different projects will make your work/life more efficient. Please Note: Mac OS only support mirror mode.

Furthermore, the 14-in-1 USBC 8K Docking Station CHD MST comes with wireless charging 2-Coils Fast Charging - 1.4 times faster than standard wireless charger, built-in two coils offer you much wider charging area.

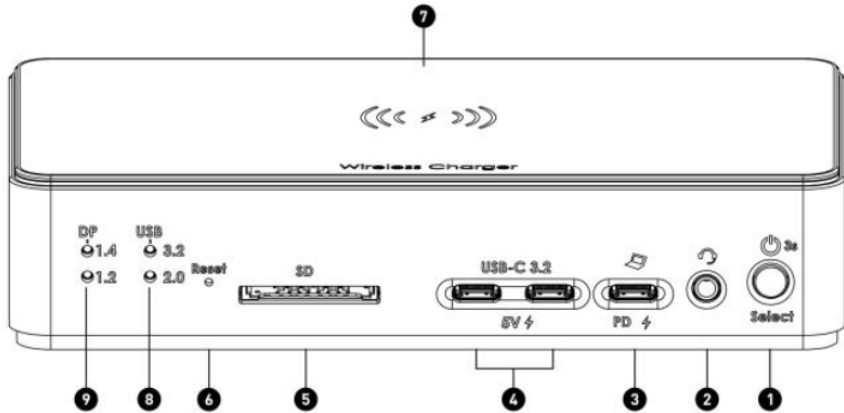
This Quick Charge 2.0 - wireless charging will juice up your compatible device from dead to full in a short amount of time.

Features

- Expand the connectivity of your MacBook Pro, Chromebook, Dell XPS, or other USB-C enabled laptop, Thunderbolt 3/4 port compatible.
- Supports up to 8K (7680x4320) @ 60Hz single-port video output, with support for both SST (Single Stream Transport) and MST (Multi-Stream Transport) modes (Note: Mac OS only supports Mirror Mode).
- Equipped with HDMI, DisplayPort (DP), and USB-C ports, capable of driving up to three external displays simultaneously.
- Supports HDR (High Dynamic Range) technology and multiple color sampling formats, including YCbCr 4:4:4, 4:2:2, and 4:2:0.
- Supports 100W Power Delivery 3.0 (PD) fast charging, providing sufficient operating and charging power to the connected laptop via a single USB-C cable.
- Features two USB-C 3.2 data ports and two dedicated USB-A 3.0 and two USB-A 2.0 ports respectively.
- Provides an Ethernet port with support for speeds up to 1Gbps (Gigabit).
- Includes a dedicated Audio port (Output).
- Supports wireless charging for external devices (Quick Charge 2.0).

Product Diagram

Front Panel



① Select button:

- Long press for 3 seconds to turn on or turn off the power.
- Click the button to switch USB 3.2 max or USB 2.0 max Function.
- Double click button to power on/off for Wireless charging LED.

② 3.5mm Audio/Microphone (CTIA Standard)

③ USB-C Host Port:

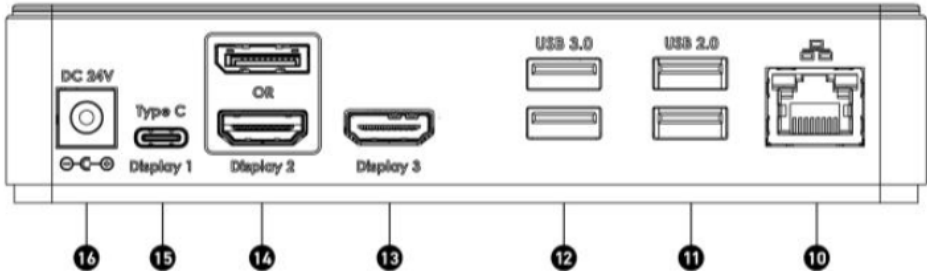
- Used to connect the Host Computer to the Docking Station.
- Power Delivery 3.0, Provide maximum 100W.
- Compatible Thunderbolt 3/4, USB 4

④ USB-C Device Ports:

- Support data USB 3.2 Gen2 10 Gbps max

- Maximum 5V/2A 10W of power output
- ⑤ SD Card Reader 4.0, SD 3.0, 2.0, 1.1, and 1.0 compatibility.
- ⑥ Reset: Reset to factory settings
- ⑦ Wireless charging:
 - Quick Charge 2.0
 - Blue light when standby.
 - Green light flashes when charging.
 - Green light stays on when fully charged.
 - The red light flashes when it cannot be charged or there is a metal object in contact.
- ⑧ USB 3.2/USB 2.0 indicator light:
 - Click the select button to switch between USB3.2 or USB2.0 transmission speed.
 - When switching to USB3.2 Max, the maximum speed of USB-C 3.2 (ball number 4) can support up to 10 Gbps
 - When switching to USB3.2 Max, the maximum speed of USB-C 3.0 (ball number 11) can support up to 5 Gbps
 - When switching to USB2.0 Max, the maximum transmission speed of all USB data supports up to 480Mbps
- ⑨ DP1.4/DP1.2 indicator light:
 - Can detect the DP signal version of the image input, used to identify the Source device
 - DP1.4(DSC) can support up to 8K60Hz images, DP1.2 can support up to 4K60Hz images

Rear Panel



10 RJ-45 Port:

- Used to connect a Network Device to the Docking Station.
- When switching to USB3.2 Max, the maximum speed up to 10/100/1000 Mbps
- When switching to USB2.0 Max, the maximum speed up to 10/100 Mbps

11 USB-A Device Ports

- Support data USB 2.0 480 Mbps max
- Maximum 5V/0.5A 2.5W power output

12 USB-A Device Ports:

- Support data USB 3.0 5 Gbps max
- Maximum 5V/1A 5W power output

13 Display 3" HDMI output Port:

- Using an HDMI Cable to Connect between Docking Station and HDMI Enabled Display Device.
- HDMI 2.1 version

- Resolution up to 7680x4320 60Hz

14 Display 2" DP or HDMI output Port:

- Using DP or HDMI Cable Connect between the Docking Station and DP or HDMI Enabled Display Device.
- HDMI 2.1 version
- DP 1.4 version

- Resolution up to 7680x4320 60Hz

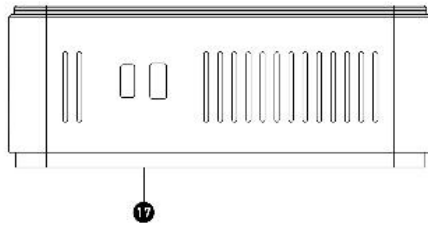
※ "Display 2" cannot output synchronously, only 1 port video output can be selected.

15 Display 1" Type-C output Port:

- Using Type-C Cable Connect between the Docking Station and Type-C Enabled Display Device.
- DP 1.4 version
- Resolution up to 7680x4320 60Hz

16 DC 24V Port

- AC 110~240 DC 24V/5.5A 132W
- Connect the Dock to a Power Source, using the Universal Power Adapter.



17 Lock Slot

- Used to secure the Docking Station to secure stationary object.

Specification

Resolution	Triply Port: Up to 4K30Hz
	Dual Port: Up to 4K60Hz
	Single Ports: Up to 8K60Hz
USB-C Input port/PD 3.0	Thunderbolt 3/4 port compatible, with 100 watt power delivery
USB-C 3.2 Gen 2 x2 port	Up to 10G data speed (1 Port BC1.2 Fast-Charge)
USB-A 3.2 Gen1 x2 port	Up to 5G data speed
USB-A 2.0 x2 port	Up to 480Mbps data speed
Speaker/Microphone	3.5mm Phone jack PCM
SD Card Reader	SD 4.0
RJ45 Ethernet port	10/100/1000Mbps
Power	DC 24V 5.5A-132W /Power Delivery (PD3.0) Max 100W