

# User Manual



## 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.
- Power Delivery 3.0 100W function can supply power for your laptop.
- Display port Resolution outputs max up to 8K@60Hz, support SST、MST. (Mac OS ONLY support mirror mode.)
- Two USB-C 3.2ports, Two USB-A 3.0/2.0 ports, One Ethernet port up to 1Gbps and One Speaker/Microphone Output.
- Support wireless charging of external devices.
- Color format support YCbCr 4:4:4, 4:2:2 and 4:2:0
- High Dynamic Range (HDR) support

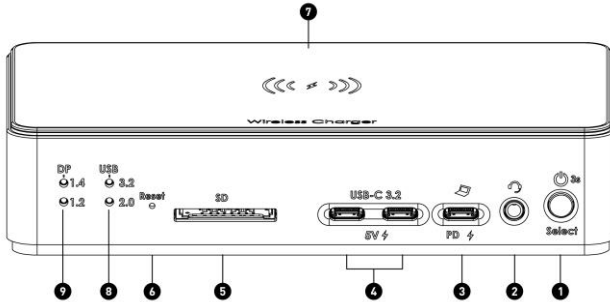
Resolution Max <b>(Input DP 1.4)</b>	Three Port: 4K2K 60Hz
	Dual Port: 8K4K 30Hz
	Single Port: 8K4K 60Hz
Resolution Max <b>(Input DP 1.2)</b>	Three Port: 4K2K 30Hz+1080P 60Hz *2
	Dual HDMI Port: 4K2K 30Hz
	Single DP Port 4K2K 60Hz

### Required:

1. DisplayPort Alternate Mode on USB Type-C
2. It can support 8K60Hz only when the Device support DSC

Mode

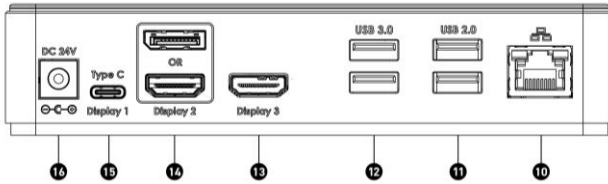
## Product Diagram



- 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

- ❖ Auto-detect of DisplayPort version will only be accessed when the output screen is connected
- ❖ The output resolution will be subjected to the specification provided by the device manufacturer



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- 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

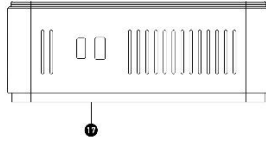
※ “Display 2” cannot output synchronously, only 1 port video output can be selected.

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.

**Package Contents**

- USB-C Docking Station x 1
- 3 ft. (1m) USB-C Host Cable x 1
- Power Adapter x 1
- User Manual x 1

**Storage Conditions**

Operating Temperature: 0°C to 70°C (32°F to 158°F)

Storage Temperature: -30°C to 70°C (-22°F to 158°F)

Operating Humidity: 20%~80%RH

Storage Humidity: 20%~90%RH



## **FCC Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class Digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.