Simplecom®

CHT580 USB-C 8-in-1 Multiport Adapter

CHT580	User Manual

Simplify Your Life

About Product

CHT580 is an 8-port multifunctional USB-C docking station that allows you to expand the connectivity of your laptop through a single USB-C connection. This docking station features three SuperSpeed USB-A port, HDMI 2.0 Port, Gigabit Ethernet, SD and MicroSD card reader slots, and 100W PD charging.

This docking station offers a comprehensive connectivity solution for users who need to connect multiple devices to their laptop simultaneously. With this docking station, you can easily access all of your peripherals and increase your productivity and convenience without additional hub or adapters.

Important Note

- Please confirm the USB-C port on your device supports DisplayPort Alternate Mode (DP Alt Mode). Some USB-C ports only work for charging or data transfer, no video output function.
- 4K@60Hz is supported by laptop GPU with DP1.4 (e.g. Intel 11th Gen Core Mobile Processors or later).
- The USB-C PD port is for PD Charging only, not for data transfer.
- Only one SD or MicroSD card can be accessed at a time.
- For more stable connection when using multiple devices, connect a PD power adaptor to the USB-C PD port for extra power.

Features

• Support HDMI 2.0 Video Output up to 4K@60Hz

One of the key features of HDMI 2.0 is that it supports Ultra HD 4K video output at 60 frames per second. This means that laptop processor which supports DP1.4 can output video at a resolution of 3840x2160 with 60Hz refresh rate. This is important for smooth and fluid video playback, especially when viewing fast-paced content such as sports or action movies.

• SuperSpeed USB Hub

3x USB-A ports with a maximum transfer speed up to 5Gbps, ideal for transferring large amounts of data. It allows you to easily connect a variety of USB peripherals, such as USB storage drives, mouse, keyboard, printer and more.

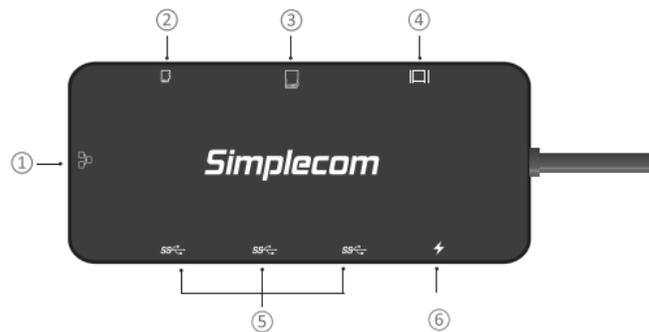**• 100W USB-C Power Delivery**

The USB-C PD Port can charge your connected laptop while other ports are working. The USB-C port supports PD3.0 and up to 100W Power Delivery charging.

• Gigabit Ethernet

Connect to the network instantly and enjoy stable connection speeds of up to 1000Mbps, Avoid the latency and interference issues for a more consistent, reliable experience when streaming or downloading.

Specifications

- Host Interface: USB-C
- USB Hub: 3x USB-A Female (SuperSpeed 5Gbps)
- HDMI Resolutions: Support up to 3840 x 2160p at 60Hz (4K@60Hz)
- Network Port: RJ45 Gigabit Ethernet (10/100/1000 Mbps)
- Card Reader: SD and MicroSD (Hi-Speed 480Mbps)
- PD Charging: 1x USB-C Female (for charging only), up to 100W
- Operation Temperature: 0 - 45°C
- Housing Material: Aluminium
- Dimensions: 11 x 4.3 x 1.6 cm
- Cable Length: 15cm
- Weight: 67g

1. Gigabit Ethernet
2. MicroSD Card Slot*
3. SD Card Slot*
4. HDMI Video Output
5. 3x USB-A SuperSpeed
6. USB-C PD Charging up to 100W

*Only one SD or MicroSD card can be accessed at a time

System Requirements

- USB-C port with DP Alt Mode (DisplayPort Alternate Mode) support
- Thunderbolt USB-C port or USB4 port
- Operating system: Windows 10 or above, macOS 10.12 or above, Android, ChromeOS
- Laptop GPU with *DP1.4* supports up to *4K@60Hz*
  For Intel 11th Gen Core Mobile Processors or later
  For AMD Ryzen 3000 Mobile Processors or later
- Laptop GPU with *DP1.2* supports up to *4K@30Hz*
  For Intel 8th - 10th Gen Core Mobile Processors
  For AMD Ryzen 2000 Mobile Processors

FAQ

What do I need to know before using this docking?
Please confirm the USB-C port on your device supports DisplayPort Alternate Mode (DP Alt Mode). Some USB-C ports only work for charging or data transfer, no video output function.

What is DP Alt Mode?
At its most basic level, DP Alt Mode means that device manufacturers would no longer need to put dedicated display ports (whether DisplayPort, VGA, or HDMI) on their devices, and could instead fill out their devices entirely with USB port for all digital I/O.

I can only get 4K@30Hz from HDMI output.
Please check your laptop if DP1.4 is supported by laptop GPU, 4K@60Hz is supported by laptop GPU with DP1.4.

How to check if my laptop GPU is DP1.2 or DP1.4?
Please check laptop manufacture website for detail of the CPU and USB-C port features, Intel Core Mobile Processors 8th-10th Gen is DP1.2, Intel Core Mobile Processors 11th Gen or later will support DP1.4 over USB-C.

Connectivity issue or warning "USB Devices Disabled" on MacBook
When the docking connected to your Mac needs more power to work, the computer will start the self-protection function. Please restart your laptop and connect the PD port before plugin any other port. If connectivity issues are persistent, resetting SMC (System Management Controller) and PRAM/NVRAM could be a solution. This is sometimes necessary to restore normal lower level system functionality to your Mac, especially with power and hardware related issues. For resetting your SMC or PRAM/NVRAM, please refer to Apple website for detailed instructions depending on whether your model has T2 chip or not.

Does the USB-C female port on this hub support data transfer?
No, the USB-C female port is only for Power Delivery.

Can I use 2 card reader slots at the same time?
No, only one SD or MicroSD card can be accessed at a time.

Is it normal for the docking to get hot?
Yes, it is normal for the docking to heat up during usage, even when the hub is not in use it could still warm up, this is also normal. Higher data transfer rate, video output and PD charging contribute to higher operating temperatures.

My laptop has DP Alt Mode, but still no display from HDMI port?
First, make sure the USB-C docking station is connected to your laptop's USB-C port with DP Alt Mode support (normally only one USB-C port on laptop support display output).
It is possible that the extended display is disabled on your computer. Try to click "*WIN + P*" keys (in Windows 10/11) and check what options of display you have.
If you do not see the second screen, go to "Settings -> System -> Display" and try to detect the second screen there.

Where to setup Extend Screen Mode on Windows?
You can right click Desktop and click *"Display settings"* option from menu, or click *Start* > *Settings* > *System* > *Display*. Then select *"Extend these displays"*

Warranty

1 Year limited Warranty. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
For our assistance with regards to warranty please email to support@simplecom.com.au or create a support ticket at http://www.simplecom.com.au

www.simplecom.com.au   support@simplecom.com.au