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Comsol CMMP15 USB-C Dual HDMI Multiport Adapter

Comsol CMMP15 USB-C Dual HDMI Multiport Adapter User Manual

Contents

Comsol CMMP15 USB-C Dual HDMI Multiport Adapter

Specifications:

- Model: CMMP15 USB-C Dual HDMI Multiport Adapter
- Compatibility: Windows Computers equipped with a USB-C port
- Power Delivery: Up to 90W pass-through
- Maximum Monitor Resolutions:
    - Single Monitor: 3840 x 2160 @30Hz
    - Dual Monitor: 2 x 1920 x 1080 @60Hz
- Data Transfer Rates:
    - USB-C 3.1 Data Port: Up to 5Gbps
    - USB-A 3.0 Data Ports: Up to 5Gbps
    - USB-A 2.0 Data Ports: Up to 480Mbps
- Power Output:
    - USB Ports: 5V/1.5A (7.5W) each, total shared output of 13.5W

Product Usage Instructions

Connection:
Connect the USB-C male cable of the multiport adapter to a USB-C port on your Windows computer. Connect your computer's power supply to the USB-C Power Port on the adapter.

Monitor Setup:
Connect your monitors to HDMI Port 1 and/or HDMI Port 2 based on your display preference. You can use the adapter to extend your desktop to multiple monitors if your Windows computer supports MST.

Data Transfer:
Connect USB-C devices to the USB-C 3.1 Data Port for high-speed data transfer at up to 5Gbps. Use the USB-A 3.0 Data Ports for connecting USB-A devices at speeds up to 5Gbps. For low-speed USB-A devices, connect them to the USB-A 2.0 Data Ports with a maximum transfer rate of 480Mbps.
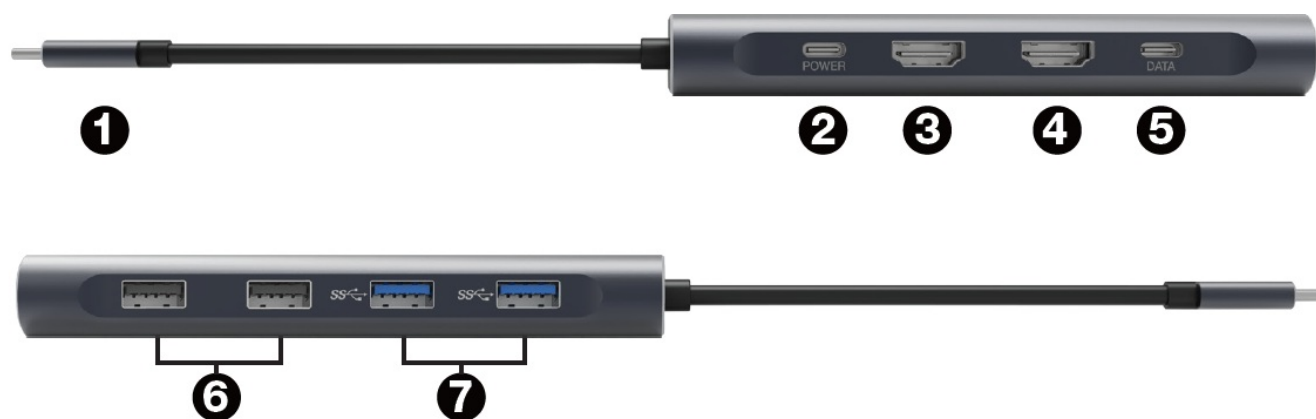
Power Output:
You can charge your phone or other devices using the USB-A 3.0 and USB-C ports with a maximum output of 5V/1.5A per port and a total shared output of 13.5W.

FAQ:

- **Monitors not Working:**

  If the connected monitors are not working, ensure that your computer's USB-C port supports DisplayPort

  Alternate Mode (DP Alt-Mode) as this adapter uses DP Alt-Mode for video signal transmission.

	Port	Description
1	USB-C Male	Connect this cable to a USB-C port on your laptop. The USB-C port must support DisplayPort Alternate Mode to display video and must support USB-C Power Delivery to charge your laptop
2	USB-C Power Port	Connect your Laptop's USB-C power supply to this port to supply up to 90W of power pass through to your laptop
3	HDMI Port 1	Connect your first monitor to HDMI 1 or 2 for single monitor display
4	HDMI Port 2	Connect your second monitor to HDMI 1 or 2 for dual monitor display
5	USB-C 3.1 Data Port	Connect a USB-C device including flash drives, a web cam or external storage devices to this high speed USB-C 3.1 port at speeds up to 5Gbps
6	2 x USB-A 2.0 Data Ports	Connect low speed USB-A devices such as a keyboard or mouse to these ports (480 Mbps)
7	2 x USB-A 3.0 Data Ports	Connect USB-A devices including flash drives, a web cam, a printer or external storage devices to these high speed USB-A 3.0 ports at speeds up to 5Gbps

Maximum Monitor Resolutions

Single Monitor	Dual Monitor
3840 x 2160 @30Hz	2 x 1920 x 1080 @60Hz

Operation

It is recommended to use the USB-C multiport adapter with your computer's power supply connected to the USB-C Power Port. This will provide power to the multiport adapter while also providing power to charge your computer. Connect the multiport adapter to your computer by plugging the USB-C male cable into a USB-C port on your computer. Connect your computer's power supply to the USB-C Power Port. This adapter supports up to 90W of power pass through to the laptop and 10W to the adapter. Connect 1 or 2 monitors to the HDMI Ports.

- Using a single HDMI monitor, max resolution is 4K Ultra HD 3840 x 2160 @30Hz
- Using 2 HDMI monitors, the max resolution is 2 x Full HD 1920 x 1080 @60Hz

Windows computers support MST (Multi-Stream Transport) allowing you to extend your computer's desktop to additional monitors. This USB-C multiport adapter supports MST and allows you to have one image on your computer and extend to 2 additional monitors with 2 different independent images.
Note: macOS & ChromeOS do not support MST. This adapter will only support a single monitor on MacBooks or

Chromebooks.
Connect your USB-A and USB-C devices to the USB-A 3.0 & USB-C 3.1 data ports such as keyboard/mouse, USB flash drives, external storage devices, webcams or other USB peripherals. The maximum data transfer rate is 5Gbps. Connect your low speed legacy USB-A devices to the USB-A 2.0 ports such as a keyboard, mouse, speakers or printers. The maximum data transfer rate is 480Mbps. You can also use the USB-A 3.0 and USB-C ports to charge your phone or other devices. The maximum power output of each USB port is 5V/1.5A (7.5W). The maximum total output of all USB ports is 13.5W shared. To charge a phone or large external storage device that consumes a large amount of power, the laptop's power supply must be connected to the multiport adapter. Note: The USB 2.0 ports do not support charging of devices

Specifications

- Connect two monitors, a keyboard & mouse, USB storage devices and other USB devices all via a single USB-C connection
- Supports two monitors in duplicate or extended desktop mode for Windows
- Supports dual monitors at Full HD 1920 x 1080 @60Hz
- Supports single monitor at 4K Ultra HD 3840 x 2160 @30Hz
- 2 x HDMI monitor ports
- 2 x USB-A 3.0 data ports (5Gbps)
- 1 x USB-C 3.1 data port (5Gbps)
- 2 x USB-A 2.0 data ports (480Mbps)
- 1 x USB-C female port for up to 90W of power pass through
- 1 x USB-C male to connect to host computer
- Dimensions: 130 x 50 x 17mm
- Weight: 92g

Trouble Shooting

Monitors not Working
This multiport adapter uses a technology called DisplayPort Alternate Mode (often referred to as DP Alt-Mode) to send your computer's video signal to connected monitors. If the monitors connected to the multiport adapter are not working, your computer's USB-C port may not support DP Alt-Mode. Please check with your computer's specifications to see if your computer's USB-C port supports DP Alt-Mode. All USB-C ports look physically the same and some manufacturers label their USB-C ports to indicate if they support DP Alt-Mode or not, however many do not have any labels at all. Your owner's manual or the manufacturer's website will help you find if your computer's USB-C port supports DP Alt-Mode. If your computer's USB-C port supports Thunderbolt 3 or Thunderbolt 4, then it also supports DP Alt-Mode and will work with this multiport adapter.

Connection Issues
If you are experiencing connection problems, unplug and replug the USB-C multiport adapter or unplug and replug the connection that is experiencing problems. If you are using the USB-C multiport adapter to charge your phone, or connect a large external storage device or other USB devices that consumes a large amount of power, you must connect your computer's power supply to the multiport adapter. If the computer's power supply is disconnected, all device connections will be lost for a few seconds before reconnecting. During this time, data can be lost. Do not disconnect the power while transferring data to avoid data loss or corruption.

Multiport Adapter Temperature
During operation, the USB-C multiport adapter may become hot. This is a normal and should not be cause for concern. To minimize heat, please use the multiport adapter on a desk or table in a well ventilated area. USB-C is a trademark of USB Implementers Forum. HDMI is a registered trademark of HDMI Licensing LLC in the United States and other countries.
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Documents / Resources

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References

- **Comsol | Stay Connected**
- **User Manual**