

Comsol CMMP09

Comsol CMMP09 USB-C to HDMI Adapter User Manual

Model: CMMP09

1. INTRODUCTION

Thank you for choosing the Comsol CMMP09 USB-C to HDMI Adapter. This device is designed to expand the connectivity of your USB-C enabled computer, allowing you to connect to multiple displays, network, USB peripherals, and memory cards, all while providing power pass-through charging.

This manual provides detailed instructions for the setup, operation, and maintenance of your CMMP09 adapter to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Comsol CMMP09 adapter features a comprehensive array of ports to enhance your productivity. Below is a visual representation and description of the adapter's components.



Figure 2.1: General view of the Comsol CMMP09 USB-C to HDMI Adapter, showcasing its compact design and various ports.

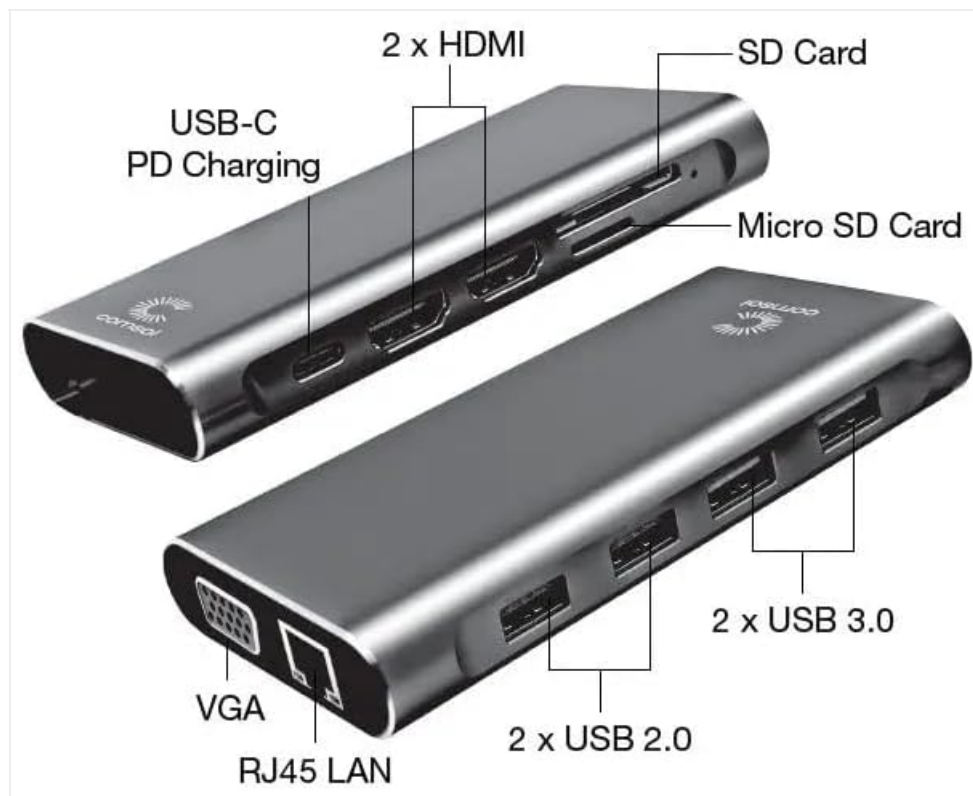


Figure 2.2: Detailed view of the Comsol CMMP09 adapter with all ports clearly labeled for easy identification.

Port Descriptions:

- **1 x USB-C Male Connector:** Connects to your computer's USB-C port.
- **2 x HDMI Female Connectors:** Supports 4K Ultra HD 2160p (3840 x 2160) at 30Hz for a single monitor.
- **1 x VGA Female Connector:** Supports 1920 x 1080 at 60Hz.
- **2 x USB 3.0 Type-A Female Connectors:** Supports data transfer speeds up to 5Gbps.
- **2 x USB 2.0 Type-A Female Connectors:** Supports data transfer speeds up to 480Mbps.
- **1 x RJ45 Female Connector:** For Gigabit Ethernet LAN connection.
- **1 x SD Card Reader Female Port:** For data transfer, supports SD/SDHC/SDXC V3.0 UHS-I cards up to 2TB.
- **1 x Micro SD Card Reader Female Port:** For data transfer, supports Micro SD/SDHC/SDXC V3.0 UHS-I cards up to 2TB.
- **1 x USB-C Female Connector (Power Pass-Through):** Supports 100W (20V 5A) power delivery to charge your host device.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Comsol CMMP09 adapter:

- 1. Connect to Host Device:** Plug the male USB-C connector of the CMMP09 adapter into an available USB-C port on your computer. Ensure the USB-C port on your computer supports video output (DisplayPort Alternate Mode) and power delivery if you intend to use these features.
- 2. Connect Displays:**
 - For HDMI displays, connect HDMI cables from your monitors to the HDMI ports on the adapter.
 - For VGA displays, connect a VGA cable from your monitor to the VGA port on the adapter.
 - Your computer should automatically detect the connected displays. You may need to adjust display settings in your operating system (e.g., Windows Display Settings) to configure mirror or extend modes.
- 3. Connect USB Peripherals:** Plug your USB devices (e.g., keyboard, mouse, external hard drive, USB flash drive) into the USB 3.0 or USB 2.0 Type-A ports on the adapter.

4. **Connect to Network:** For a wired internet connection, connect an Ethernet cable from your router or modem to the RJ45 port on the adapter.
5. **Insert Memory Cards:** Insert your SD or Micro SD cards into the corresponding card reader slots for data access.
6. **Connect Power (Optional):** If your computer supports USB-C Power Delivery and you wish to charge it through the adapter, connect your computer's original USB-C power adapter to the USB-C female port on the CMMP09 adapter. This port supports up to 100W power pass-through.

4. OPERATING INSTRUCTIONS

Once the adapter is set up, you can utilize its various functions:

- **Display Output:**
 - The adapter supports mirror or extend mode for Windows operating systems. Access your display settings (e.g., right-click on desktop > Display settings) to configure your preferred display arrangement.
 - Ensure your monitors are set to the correct input source (HDMI or VGA).
- **USB Data Transfer:**
 - Connect USB 3.0 devices to the blue USB-A ports for maximum data transfer speeds (up to 5Gbps).
 - Connect USB 2.0 devices to the black USB-A ports for standard data transfer speeds (up to 480Mbps).
- **Network Connection:**
 - Once connected via the RJ45 port, your computer should automatically detect the wired network connection. Verify network status in your operating system's network settings.
- **Card Reader Functionality:**
 - Insert SD or Micro SD cards into their respective slots. The cards will appear as removable drives in your computer's file explorer, allowing you to transfer files.
- **Power Delivery:**
 - If a power adapter is connected to the USB-C power pass-through port, your host computer will begin charging. The adapter itself does not require external power to function, but it is necessary for charging the host device.

5. MAINTENANCE AND CARE

To ensure the longevity and proper functioning of your Comsol CMMP09 adapter, please observe the following care guidelines:

- Keep the adapter dry. Avoid exposure to moisture, rain, or liquids.
- Do not expose the adapter to extreme temperatures (hot or cold).
- Clean the adapter with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Avoid dropping or subjecting the adapter to strong impacts.
- Do not attempt to disassemble or modify the adapter. This will void the warranty.
- Store the adapter in a clean, dust-free environment when not in use.

6. TROUBLESHOOTING

If you encounter issues with your CMMP09 adapter, please refer to the following common problems and solutions:

- **No Display Output:**
 - Ensure the USB-C connector is fully inserted into your computer's port.
 - Verify that your computer's USB-C port supports DisplayPort Alternate Mode (video output).

- Check that the HDMI/VGA cables are securely connected to both the adapter and the monitor.
 - Confirm that your monitor is set to the correct input source (HDMI/VGA).
 - Adjust display settings in your operating system (e.g., extend, duplicate).
- **USB Devices Not Recognized:**
 - Ensure the USB device is properly connected to the adapter's USB-A port.
 - Try connecting the USB device to a different USB port on the adapter or directly to your computer to rule out device issues.
 - If using a high-power USB device, ensure the adapter is connected to external power via its USB-C PD port.
- **No Network Connection via RJ45:**
 - Check that the Ethernet cable is securely connected to both the adapter and your router/modem.
 - Verify network settings on your computer.
 - Ensure your router/modem is functioning correctly.
- **SD/Micro SD Card Not Detected:**
 - Ensure the card is fully inserted into the correct slot.
 - Check if the card is damaged or corrupted by trying it in another device.
- **Host Device Not Charging (Power Pass-Through):**
 - Ensure your computer's original USB-C power adapter is connected to the adapter's USB-C PD port.
 - Verify that your computer's USB-C port supports Power Delivery.
 - Check the power adapter and cable for any damage.

7. SPECIFICATIONS






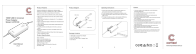
Feature	Detail
Model	CMMP09
Brand	Comsol
Dimensions	115 x 63 x 16 mm
Material	Plastic
Input	1 x USB-C Male Connector
HDMI Output	2 x HDMI Female, supports 4K Ultra HD 2160p (3840 x 2160) @30Hz (single monitor)
VGA Output	1 x VGA Female, supports 1920 x 1080 @60Hz
USB 3.0 Ports	2 x USB 3.0 Type-A Female, up to 5Gbps data transfer
USB 2.0 Ports	2 x USB 2.0 Type-A Female, up to 480Mbps data transfer
Ethernet	1 x RJ45 Female, Gigabit LAN
Card Reader	1 x SD, 1 x Micro SD, supports SD/SDHC/SDXC V3.0 UHS-I up to 2TB
Power Delivery	1 x USB-C Female, 100W (20V 5A) pass-through charging
Compatibility	Windows (supports mirror or extend mode)

8. WARRANTY AND SUPPORT

Comsol products are designed and manufactured to the highest quality standards. For information regarding warranty terms and conditions, or for technical support, please refer to the warranty card included with your purchase or visit the official Comsol website.

Please retain your proof of purchase for warranty claims.

Related Documents - CMMP09

	<p>Comsol CMMP10 USB-C Dual HDMI Multiport Adapter User Manual</p> <p>User manual for the Comsol CMMP10 USB-C Dual HDMI Multiport Adapter. Learn about port descriptions, monitor resolutions, operation, specifications, and troubleshooting for expanding your Windows computer's connectivity.</p>
	<p>Comsol CMMP07 USB-C Multi-Port Adapter: HDMI, USB 3.0, Gigabit LAN, PD Charging</p> <p>User manual for the Comsol CMMP07 USB-C multi-port adapter, featuring HDMI 4K@30Hz, 2x USB 3.0 ports, Gigabit LAN, and 100W USB-C Power Delivery pass-through for MacBook, Windows laptops, and Chromebooks.</p>
	<p>Comsol U3HVAD USB 3.0 to HDMI and VGA Adapter User Manual</p> <p>User manual for the Comsol U3HVAD USB 3.0 to HDMI and VGA Adapter, detailing features, installation, and troubleshooting for Windows 10/8/7.</p>
	<p>Comsol CMMP16 USB-C Dual HDMI Docking Station User Manual</p> <p>User manual for the Comsol CMMP16 USB-C Dual HDMI Docking Station, detailing its specifications, ports, operation, and troubleshooting for Windows computers.</p>
	<p>Comsol U3HVAD USB 3.0 to HDMI and VGA Adapter User Manual</p> <p>User manual for the Comsol U3HVAD USB 3.0 to HDMI and VGA Adapter, detailing features, installation, and troubleshooting for Windows users.</p>
	<p>Comsol UCPD100 100W USB-C Universal Power Adapter: Features, Specs & Manual</p> <p>Discover the Comsol UCPD100, a versatile 100W USB-C universal power adapter. This guide details its features, specifications, operating instructions, and safety precautions for charging laptops, smartphones, and other devices.</p>