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QGeeM HC1202-hub

QGeeM 12-in-1 USB-C Docking Station User Manual

Model: HC1202-hub

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1. INTRODUCTION

Thank you for choosing the QGeeM 12-in-1 USB-C Docking Station. This versatile docking station expands a single USB-C port on your laptop or tablet into a comprehensive workstation, offering multiple display outputs, high-speed data transfer ports, power delivery, and network connectivity. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure optimal performance and user experience.



Image: The QGeem 12-in-1 USB-C Docking Station, showcasing its compact design and the array of ports it offers, including HDMI, DisplayPort, USB-A, USB-C, Ethernet, and card reader slots, along with various connected peripherals like USB drives, SD cards, and display cables.

2. PRODUCT FEATURES AND COMPONENTS

The QGeem 12-in-1 USB-C Docking Station is designed to provide extensive connectivity options through a single USB-C connection. Key features include:

- **Dual HDMI Output:** Connect up to two HDMI displays for extended or mirrored desktop.
- **DisplayPort Output:** Connect a DisplayPort monitor for additional display options.
- **USB-C Power Delivery (PD) 3.0:** Supports up to 100W charging for your host device.
- **USB 3.0 Type-C Port:** High-speed data transfer up to 5Gbps.
- **2 x USB 3.0 Type-A Ports:** High-speed data transfer up to 5Gbps for peripherals.
- **2 x USB 2.0 Type-A Ports:** Ideal for connecting wireless mice, keyboards, and other low-bandwidth devices.
- **Gigabit Ethernet Port:** Provides stable and fast wired network connectivity (10/100/1000Mbps).
- **SD & TF Card Readers:** Supports high-speed data transfer for SD and microSD cards.

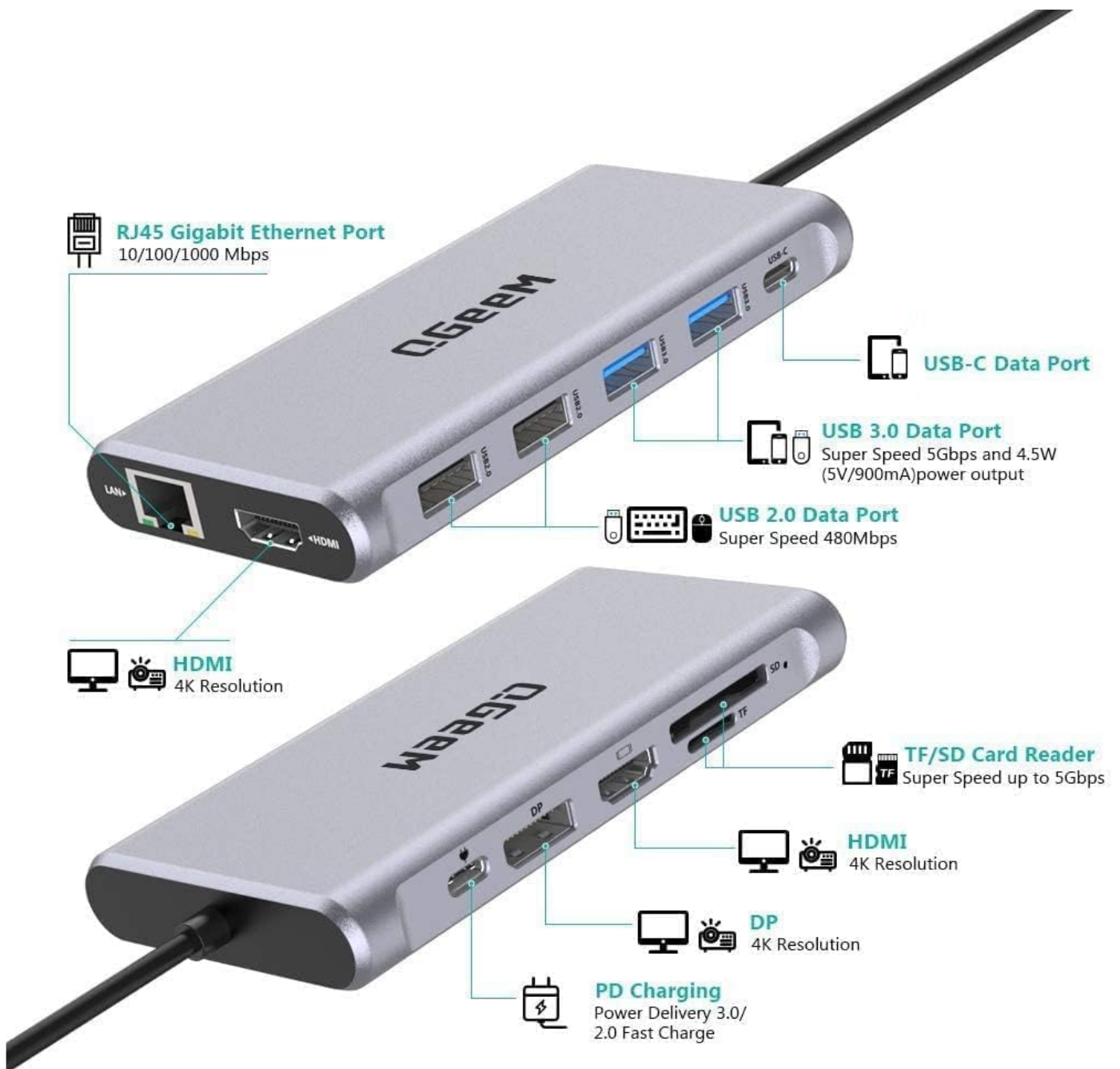


Image: A detailed diagram illustrating the various ports on the QGeeM 12-in-1 USB-C Docking Station, including RJ45 Gigabit Ethernet, HDMI, USB-C Data, USB 3.0 Data, USB 2.0 Data, TF/SD Card Reader, DisplayPort, and PD Charging, with their respective functions and speeds.

3. SETUP GUIDE

Follow these steps to set up your QGeeM 12-in-1 USB-C Docking Station:

1. **Connect to Host Device:** Plug the integrated USB-C cable from the docking station into a compatible USB-C port on your laptop or tablet. Ensure your device's USB-C port supports DisplayPort Alternate Mode (Alt Mode) for video output.
2. **Power Connection (Optional but Recommended):** For optimal performance and to charge your host device, connect your laptop's original USB-C power adapter to the USB-C PD charging port on the docking station. This port supports up to 100W power delivery.
3. **Connect Displays:**
 - Connect HDMI cables from your monitors to the HDMI ports on the docking station.
 - Connect a DisplayPort cable from your monitor to the DP port on the docking station.
 - Refer to the "Display Configuration" section for specific setup instructions for Windows and macOS.

4. **Connect Peripherals:** Plug your USB devices (keyboard, mouse, external hard drives, USB flash drives) into the available USB 3.0 and USB 2.0 ports.
5. **Network Connection:** For a stable wired internet connection, connect an Ethernet cable from your router or modem to the RJ45 Gigabit Ethernet port on the docking station.
6. **Insert Memory Cards:** Insert your SD or TF (microSD) cards into the corresponding card reader slots as needed.

The docking station is plug-and-play and typically does not require additional driver installation for most operating systems.



Image: The QGeem 12-in-1 USB-C Docking Station connected to a MacBook, demonstrating its 100W pass-through charging capability. A power adapter is plugged into a wall outlet, and its USB-C cable connects to the docking station, which then charges the laptop.

4. OPERATING INSTRUCTIONS

4.1. Display Configuration

The docking station supports various display configurations depending on your operating system.

Windows System (Triple Display Support)

Windows systems support triple display configurations (laptop screen + two external monitors, or three external monitors). You can extend or mirror your desktop across these displays.

- **PC + DP + HDMI:** Connect one monitor via DisplayPort and another via HDMI.
- **PC + HDMI + HDMI:** Connect two monitors via HDMI.
- **DP + HDMI + HDMI:** Connect three external monitors (if your laptop screen is off or closed).

To configure displays in Windows, right-click on the desktop and select "Display settings" or "Intel Graphics Settings" (if applicable), or press **Windows Key + P** to choose a display mode.

TRIPLE DISPLAY (Windows)

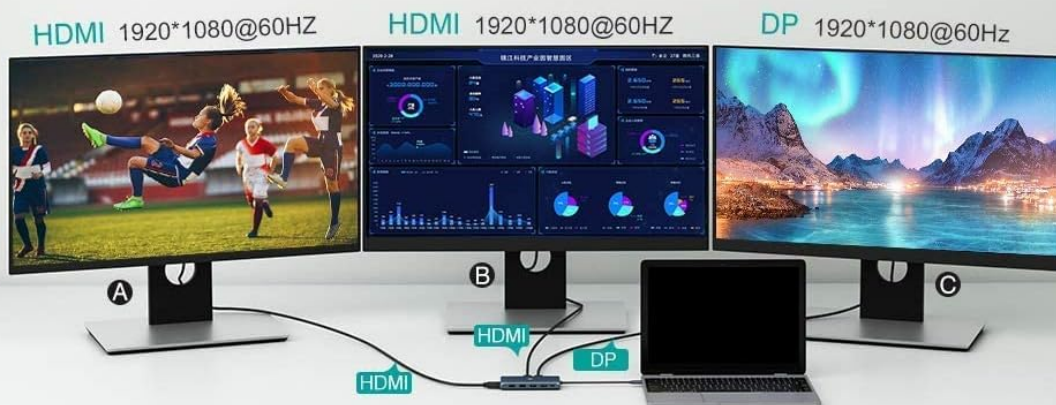
1 PC+DP+HDMI



2 PC+HDMI+HDMI



3 DP+HDMI+HDMI



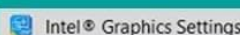
Hot Key: Right click the mouse on the desktop  Intel® Graphics Settings or  +P

Image: Visual examples of triple display configurations for Windows users with the QGeeM docking station, showing various combinations of PC, HDMI, and DisplayPort connections to achieve extended desktop setups.

macOS System (Four Display Support)

macOS supports up to four displays (MacBook screen + three external monitors) in both mirror and non-mirror (extended) modes.

- **Mirror Mode:** All connected displays show the same content.
- **Non-Mirror Mode (Extended):** Each display shows different content, extending your desktop workspace. For non-

mirror mode, ensure "Mirror Displays" is unchecked in your macOS Display Settings.

To configure displays in macOS, go to **System Preferences > Displays**.

MIRROR MODE & NON-MIRROR MODE (MAC OS)

1 MIRROR MODE (DP+HDMI+HDMI+MacBook)



2 NON-MIRROR MODE (DP+HDMI+HDMI+MacBook)



Note: For Non-mirror Mode, please do not click "Mirror Displays" on Display Setting.

Image: Illustrations demonstrating both mirror and non-mirror display modes for Mac OS users when utilizing the QGeeM docking station, showing how to extend or duplicate the desktop across multiple external monitors.

4.2. USB Ports

The docking station provides a variety of USB ports for connecting peripherals and transferring data:

- **USB 3.0 Ports (2x Type-A, 1x Type-C):** Offer data transfer speeds up to 5Gbps, ideal for external hard drives, SSDs, and high-speed flash drives.
- **USB 2.0 Ports (2x Type-A):** Provide data transfer speeds up to 480Mbps, suitable for keyboards, mice, printers, and other standard USB devices.

Transfer Large Files in Seconds

Faster than USB 2.0 **10X**



Image: A graphic illustrating the speed difference between USB 3.0 (5120 Mbps) and USB 2.0 (480 Mbps) for large file transfers, emphasizing that USB 3.0 is significantly faster, with the QGeeM docking station supporting both standards.

4.3. Gigabit Ethernet

The integrated RJ45 port provides a stable and high-speed wired network connection, supporting 10/100/1000Mbps speeds. This is ideal for situations where Wi-Fi is unreliable or slower.

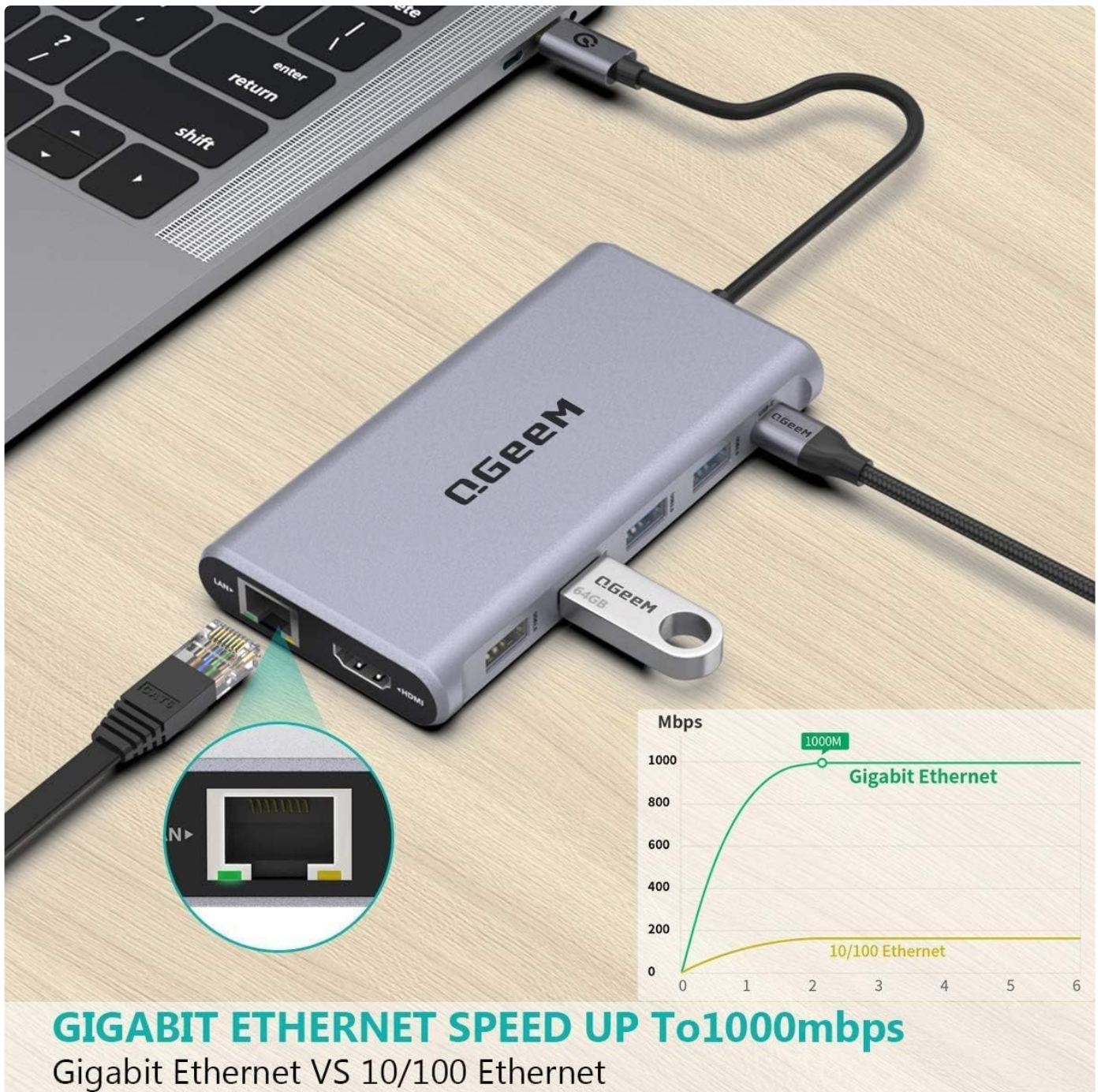


Image: A visual representation comparing Gigabit Ethernet speed (up to 1000Mbps) with traditional 10/100 Ethernet, highlighting the superior performance offered by the QGeeM docking station's Gigabit Ethernet port.

4.4. SD & TF Card Readers

The docking station includes dedicated slots for SD and TF (microSD) cards, allowing for quick and convenient access to photos, videos, and other files from your memory cards.



Image: The QGeeM docking station connected to a laptop, with an SD card inserted into its slot, demonstrating the functionality of the integrated SD and TF card readers for easy data access.

5. COMPATIBILITY

The QGeeM 12-in-1 USB-C Docking Station is widely compatible with various devices that feature a USB-C port supporting DisplayPort Alternate Mode (Alt Mode) or Thunderbolt 3/4.

Compatible Devices:

- MacBook Pro 2016/2017/2018/2019
- iMac / iMac Pro (21.5 inch, 27 inch)
- iPad Pro 2018 / 2019
- Google Chromebook Pixel
- Huawei MateBook, Huawei MateBook Pro
- Dell XPS 12/13/15, Surface Book 2, HP, Lenovo
- Samsung S8/S8+/S9/S9+/Note 8/Note 9 (with Dex mode support)

- And many other Type-C laptops/devices supporting DisplayPort Alt Mode.

Incompatible Devices (Examples):

- Samsung A5/A20/A50/T805
- Samsung Galaxy Tab E
- Moto G6 Plus/Z3 Play
- Google Pixel 3/3XL
- HP Elite 8300 SFF
- MI 5/6/MAX 2
- 1+Oneplus 5
- Sony Xperia
- LG Stylo 4

Important Note:

Please ensure your phone and monitor have USB-C 3.1 or Thunderbolt 3 port interfaces which support "DisplayPort Alternate Mode".

Please confirm that your device has video output function via its USB-C port.

Compatibility Devices

iMac/iMac Pro 2017
MacBook:2015/2016
MacBook-Pro2016/2017/2018/2019
Lenovo-Yoga :720/900/910/4 Pro
Google:Chromebook Pixel
HP:Spectre X 360 13" /15"
ASUS:Zen Alo All in One PC
Samsung Galaxy:Note8/S8/S8+
Samsung:Note Book 9
ThinkPad:P50/P70
Dell:XPs 12/13/15
HUAWEI:Mate 10
ASUS:GA-Z170X
Acer:V15 Nitro
Alienware 17
LG:G5

Incompatibility Devices

Samsung A5/A20/A50/T805
Samsung Galaxy:Tab E
Moto:g6 plus/Z3 Play
Google:Pixel 3/3XL
HP:Elite 8300 SFF
MI 5/6/MAX 2
1+Oneplus 5
Sony Experia
LG:Stylo 4

*Please Make Sure your phone and Monitor has USB-C 3.1 or thunderbolt 3 port interfaces which support "DisplayPort Alternate Mode".

*Please confirm that your device has video output function

Image: A clear chart categorizing compatible and incompatible devices for the QGeeM 12-in-1 USB-C Docking Station, along with crucial notes regarding DisplayPort Alternate Mode support.

6. TROUBLESHOOTING

If you encounter issues while using the QGeeM 12-in-1 USB-C Docking Station, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No display output or flickering screen.	<ul style="list-style-type: none"> • Ensure your host device's USB-C port supports DisplayPort Alt Mode. • Check all cable connections (USB-C to host, HDMI/DP to monitors). • Try a different HDMI/DP cable. • Reduce display resolution if using multiple high-resolution monitors. • Ensure external power is connected to the PD port if using multiple power-intensive devices. • Update your graphics drivers on your host device.
USB devices not recognized.	<ul style="list-style-type: none"> • Ensure the docking station is securely connected to your host device. • Try connecting the USB device to a different USB port on the docking station. • Connect the host device's power adapter to the PD port on the docking station. • Restart your host device.
Slow Ethernet speed or no network connection.	<ul style="list-style-type: none"> • Check the Ethernet cable connection to both the docking station and your router/modem. • Ensure your network drivers are up to date on your host device. • Restart your router/modem and host device.
Docking station feels warm.	<p>It is normal for the docking station to become warm during operation, especially when multiple ports are in use or when power delivery is active. This is due to power conversion and data processing. If it becomes excessively hot, disconnect it and contact support.</p>
SD/TF card not detected.	<ul style="list-style-type: none"> • Ensure the card is fully inserted into the correct slot. • Try a different SD/TF card to rule out card issues. • Check if the card is locked (write-protected).

7. SPECIFICATIONS

Feature	Detail
Model Number	HC1202-hub
Product Dimensions	6.61 x 4.49 x 0.75 inches
Item Weight	7.4 ounces
Color	Silver
Host Connection	USB-C (requires DisplayPort Alt Mode or Thunderbolt 3/4)
Video Output	2 x HDMI (4K UHD), 1 x DisplayPort (4K UHD)
USB Ports	1 x USB 3.0 Type-C (5Gbps), 2 x USB 3.0 Type-A (5Gbps), 2 x USB 2.0 Type-A (480Mbps)
Power Delivery	USB-C PD 3.0 (up to 100W)
Ethernet	RJ45 Gigabit Ethernet (10/100/1000Mbps)
Card Reader	SD Card Slot, TF (MicroSD) Card Slot (5Gbps)
Special Feature	Plug and Play
Compatible Operating Systems	Windows, macOS, Chrome OS, Android, iPad OS

8. MAINTENANCE

To ensure the longevity and optimal performance of your QGeeM 12-in-1 USB-C Docking Station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the docking station. Avoid using liquid cleaners, aerosols, or abrasive solvents.
- **Storage:** When not in use, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the docking station, especially during extended use, to prevent overheating. Do not cover the device.
- **Port Care:** Avoid forcing cables into ports. Ensure connectors are aligned correctly before insertion. Keep ports free of dust and debris.

9. WARRANTY & SUPPORT

QGeeM products are designed for reliability and performance. For information regarding warranty coverage and customer support, please refer to the following:

- **Warranty Information:** This product typically comes with a standard manufacturer's warranty. Please refer to the product packaging or the official QGeeM website for specific warranty terms and conditions.
- **Customer Support:** If you experience any issues or have questions about your QGeeM 12-in-1 USB-C Docking Station, please contact QGeeM customer support through the retailer where you purchased the product or visit the official QGeeM website for contact information.

- **Online Resources:** You may find additional support, FAQs, and driver updates (if applicable) on the QGeem official website.

For the most up-to-date information, please visit the **QGeem Store on Amazon**.