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› [NOVOO 11-in-1 USB-C Docking Station User Manual \(Model NHM11D-111S2\)](#)

NOVOO NHM11D-111S2

NOVOO 11-in-1 USB-C Docking Station User Manual

Model: NHM11D-111S2

1. INTRODUCTION

Thank you for choosing the NOVOO 11-in-1 USB-C Docking Station. This device is designed to expand the connectivity of your USB-C enabled laptop, providing multiple ports for display, data transfer, networking, and power delivery. Please read this manual carefully to ensure proper setup and operation.



Image 1.1: The NOVOO 11-in-1 USB-C Docking Station with connected peripherals.

2. PRODUCT OVERVIEW

The NOVOO 11-in-1 USB-C Docking Station provides a comprehensive solution for expanding your laptop's connectivity. It features the following ports:

- **2 x HDMI Ports:** For connecting external displays (HDMI 1: up to 4K@30Hz, HDMI 2: up to 4K@60Hz).
- **1 x VGA Port:** For connecting external displays (up to 1080P@60Hz).
- **1 x Gigabit Ethernet Port (RJ45):** For stable wired network connection (up to 1Gbps).
- **2 x USB-A 3.0 Ports:** For high-speed data transfer (up to 5Gbps).
- **2 x USB-A 2.0 Ports:** For connecting peripherals like keyboards and mice (up to 480Mbps).
- **1 x USB-C PD Port:** For power delivery to your laptop (up to 100W).
- **1 x SD Card Reader:** For accessing SD memory cards.
- **1 x TF (Micro SD) Card Reader:** For accessing Micro SD memory cards.

11-IN-1

Docking Station



Image 2.1: Labeled diagram of the 11-in-1 docking station ports.

3. SETUP INSTRUCTIONS

Follow these steps to set up your NOVOO 11-in-1 USB-C Docking Station:

- 1. Verify Laptop Compatibility:** Ensure your laptop's USB-C port supports video output (DisplayPort Alternate Mode) and power delivery. Refer to your laptop's manual or the port symbols shown below. Ports that only support charging or data transfer will not enable full docking station functionality.



Transfer 1G File in Seconds

5Gbps USB 3.0
480Mbps USB 2.0
104MB/s TF/SD Card Slot

Image 3.1: USB-C port symbol guide for compatibility check.

- 2. Connect to Laptop:** Plug the integrated USB-C cable from the docking station into a compatible USB-C port on your laptop.
- 3. Connect Power Adapter (Optional but Recommended):** For optimal performance, especially when using multiple peripherals or monitors, connect a 100W or higher-rated USB-C power adapter (not included) to the docking station's USB-C PD port. This ensures stable power delivery to your laptop and connected devices.
- 4. Connect External Displays:** Connect your monitors to the HDMI and/or VGA ports on the docking station using appropriate cables.
- 5. Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives, etc.) into the USB-A 3.0 and USB-A 2.0 ports. Insert SD or TF cards into their respective slots if needed.
- 6. Connect Ethernet Cable:** For a wired network connection, plug an Ethernet cable into the RJ45 port on the docking station.

Windows-Triple Display

Please note that the extension of 3 displays simultaneously is only supported by DP 1.4 version or Thunderbolt 3 Laptops.

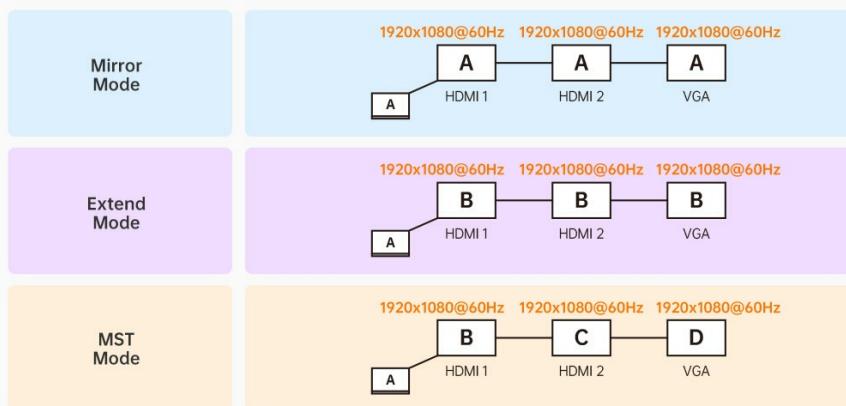


Image 3.2: Example setup of the docking station with a laptop and multiple displays.

4. OPERATING INSTRUCTIONS

4.1 Display Modes

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

Windows OS:

- **Mirror Mode:** Displays the same content on all connected screens (laptop and external monitors).
- **Extend Mode:** Extends your desktop across multiple screens, allowing for more workspace.
- **MST (Multi-Stream Transport) Mode:** Allows for independent display output to multiple external monitors. This mode supports extending to up to 3 displays simultaneously, provided your laptop's USB-C port supports DP1.4 or Thunderbolt 3/4.

Resolution Support for Windows:

- Single Display: HDMI 1 (4K@30Hz), HDMI 2 (4K@60Hz), VGA (1920x1080@60Hz).
- Dual Display: Up to 4K@30Hz (HDMI 1) + 1080P@60Hz (HDMI 2 or VGA). May vary to dual 1080P@60Hz depending on monitor capabilities.
- Triple Display: Up to 1920x1080@60Hz on all three external displays (HDMI 1, HDMI 2, VGA). Requires DP1.4 or Thunderbolt 3/4.



Image 4.1: Single Display Configurations (Windows/Mac OS).



Image 4.2: Windows Dual Display Configurations.



Image 4.3: Windows Triple Display Configurations.

macOS:

Due to macOS system limitations, only screen mirroring is supported for multiple external displays. MST (Multi-Stream Transport) is not supported by macOS, resulting in identical images displayed on external monitors.

Resolution Support for macOS:

- Mirror & Extend Mode: Supports 4K@30Hz.
- Dual Display: Up to 4K@30Hz (HDMI 1) + 4K@30Hz (HDMI 2) or 1920x1080@60Hz (HDMI 1/2) + 1920x1080@60Hz (VGA).
- Triple Display: Up to 1920x1080@60Hz on all three external displays (HDMI 1, HDMI 2, VGA) in mirror or extend mode (extended desktop on all external monitors will show the same content).



Image 4.4: Mac OS Dual Display Configurations.



Image 4.5: Mac OS Triple Display Configurations.

4.2 Data Transfer

Utilize the USB-A ports and card readers for efficient data management:

- **USB-A 3.0:** Connect external hard drives, USB flash drives, or other high-speed devices for data transfer up to 5Gbps.
- **USB-A 2.0:** Ideal for connecting standard peripherals like keyboards, mice, and printers.

- **SD/TF Card Readers:** Insert your memory cards to quickly access photos and files.



Simplify your device connections



Image 4.6: Data transfer capabilities with USB 3.0, USB 2.0, and SD/TF card slots.

4.3 Network Connectivity

The Gigabit Ethernet port provides a reliable and fast internet connection:

- Connect an Ethernet cable to the RJ45 port for speeds up to 1Gbps, offering a more stable connection than Wi-Fi.



Blazing-fast internet speeds



Gigabit Ethernet

1 Gbps

10/100Mbps Ethernet

100 Mbps

Image 4.7: Gigabit Ethernet port for stable internet connection.

4.4 Power Delivery

The USB-C PD port allows you to charge your laptop while using the docking station:

- Connect your laptop's original USB-C power adapter (or a compatible 100W+ USB-C PD charger) to the docking station's PD port. This will pass power through to your laptop, ensuring it remains charged during use.



100W PD Charging

- 🔌 Enough power for multi-port connection, playing games and watching movies

Image 4.8: 100W Power Delivery feature.

5. MAINTENANCE

To ensure the longevity and optimal performance of your docking station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not attempt to disassemble the unit.
- **Cable Management:** Ensure cables are not excessively bent or strained, which can lead to damage

over time.

6. TROUBLESHOOTING

If you encounter issues with your docking station, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display output on external monitor(s).	<ul style="list-style-type: none">Laptop USB-C port does not support video output.Incorrect display settings on laptop.Loose cable connection.Insufficient power to the docking station.	<ul style="list-style-type: none">Verify laptop USB-C port supports DisplayPort Alt Mode (refer to Section 3.1).Check display settings on your laptop (Windows: Display Settings; macOS: System Preferences > Displays) to detect and configure monitors.Ensure HDMI/VGA cables are securely connected to both the docking station and monitors.Connect a 100W+ USB-C PD charger to the docking station's PD port.
External monitors are mirroring instead of extending (macOS).	macOS limitation.	This is expected behavior for macOS when connecting multiple external displays via a single MST-enabled hub. macOS does not support MST for extended displays.
Slow data transfer speeds.	Device connected to USB 2.0 port instead of USB 3.0.	Ensure high-speed devices are connected to the blue USB-A 3.0 ports.
Laptop not charging or charging slowly.	<ul style="list-style-type: none">No power adapter connected to docking station.Power adapter is not 100W or higher.Laptop requires more power than supplied.	<ul style="list-style-type: none">Connect a USB-C PD power adapter to the docking station's PD port.Use a 100W or higher-rated USB-C PD power adapter.Ensure your laptop's USB-C port supports power input.
Ethernet connection issues.	<ul style="list-style-type: none">Loose Ethernet cable.Driver issue.	<ul style="list-style-type: none">Ensure the Ethernet cable is securely connected.Check your laptop's network settings.If necessary, update or reinstall the Ethernet driver for your operating system.

7. SPECIFICATIONS

Feature	Detail
Model Number	NHM11D-111S2
Product Dimensions	2.2 x 0.6 x 5.1 inches
Item Weight	3.84 ounces
Color	Silver Gray
Hardware Interface	USB Type C
HDMI 1 Output	Up to 4K@30Hz
HDMI 2 Output	Up to 4K@60Hz
VGA Output	Up to 1080P@60Hz
USB-A 3.0 Data Transfer	Up to 5Gbps
USB-A 2.0 Data Transfer	Up to 480Mbps
Ethernet Speed	10/100/1000Mbps (Gigabit)
USB-C PD Input	Up to 100W
Card Reader	SD/TF (Micro SD)
Compatible Devices	Laptops with full-function USB-C ports (DisplayPort Alt Mode, Power Delivery)
Manufacturer	NOVOO

8. WARRANTY AND SUPPORT

NOVOO provides a **2-year after-sales service** for this product. If you encounter any issues or require assistance, please contact NOVOO customer support. We are committed to ensuring customer satisfaction. For support, please refer to the contact information provided with your product packaging or visit the official NOVOO website.

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Related Documents - NHM11D-111S2

 <p>NOVOO[®] USER MANUAL NOVOO Portable Power Station 1000W Product Model: NEP1000S-208-EU Made in China Customer Support Team Email: service@novoo-online.com</p>	<p>NOVOO Portable Power Station 1000W User Manual</p> <p>Comprehensive user manual for the NOVOO Portable Power Station 1000W (Model: NEP1000S-208-EU). Learn about its features, safety instructions, specifications, operation methods, charging, power output, and troubleshooting.</p>
	<p>NOVOO 230 Portable Power Station User Manual</p> <p>Comprehensive user manual for the NOVOO 230 portable power station, detailing its features, operation, and specifications for outdoor backup and travel.</p>
 <p>NOVOO[®] USER MANUAL NOVOO Portable Power Station 1000W Product Model: NEP1000S-208-EU Made in China Customer Support Team Email: service@novoo-online.com</p>	<p>NOVOO Portable Power Station 1000W User Manual</p> <p>Comprehensive user manual for the NOVOO Portable Power Station 1000W (Model: NEP1000S-208-EU). Learn about its features, safety instructions, specifications, operation methods, charging, power output, and troubleshooting.</p>
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Documents - NOVOO – NHM11D-111S2

	<p>[pdf] User Manual</p> <p>NHM11D 111S2 RM11 V1 1 Download Manual and Driver NOVOO MANUAL v 1723472254 cdn shopify s files 0566 2038 4438 USER MANUAL USB-C 11 in 1 MST Multiport Hub Product ModelNHM11D-111S2 Made in China Customer Support Team Email: service novoo-online.com 1 2 HDMI14K 60Hz/ HDMI24K 30Hz Modalit estesa Menu Apple Preferenze di Sistema Monitor Disposizione Non spuntare Duplica monitor 1 2 VGA1080P 6... lang:it score:39 filesize: 2.27 M page_count: 1 document date: 2024-08-12</p>
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