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NOVOO 11-in-1 USB C Docking Station

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

Model: 11-in-1 USB C Docking Station

Brand: NOVOO

INTRODUCTION

The NOVOO 11-in-1 USB C Docking Station is designed to expand the connectivity of your USB-C enabled laptop or device. It provides multiple ports including HDMI, VGA, Gigabit Ethernet, USB 3.0, USB 2.0, 100W Power Delivery, and an SD/TF card reader, transforming a single USB-C port into a comprehensive workstation solution.

PRODUCT OVERVIEW

This docking station integrates 11 essential ports into a compact design. Refer to the diagram below for a visual representation of each port and its function.

11-IN-1 USB C HUB

Multi-fonction to expand your Type-C port



Image: NOVOO 11-in-1 USB C Hub with labeled ports, showing USB 2.0, USB 3.0, HDMI, TF/SD Card Reader, RJ45 Gigabit Ethernet, VGA, and USB C PD Charging ports.

- **2x HDMI Ports:** For high-definition video output.
- **1x VGA Port:** For standard definition video output.
- **2x USB 3.0 Ports:** High-speed data transfer up to 5Gbps.
- **2x USB 2.0 Ports:** For connecting peripherals like keyboards and mice.
- **1x 100W PD Charging Port:** Power Delivery for charging your host device.
- **1x Gigabit Ethernet Port:** Stable and fast wired network connection.
- **1x SD Card Reader:** For standard SD memory cards.
- **1x TF (Micro SD) Card Reader:** For Micro SD memory cards.

SETUP INSTRUCTIONS

1. **Connect to Host Device:** Plug the USB-C connector of the docking station into a compatible USB-C port on your laptop or device. Ensure your device's USB-C port supports Power Delivery, DisplayPort Alternate Mode, and data transfer for full functionality.

2. **Connect Power Adapter (Optional):** If your laptop requires charging, connect your original USB-C power adapter to the 100W PD charging port on the docking station.
3. **Connect External Displays:** Use HDMI or VGA cables to connect your monitors to the corresponding ports on the docking station.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives) into the USB 3.0 or USB 2.0 ports.
5. **Connect to Network:** For a wired internet connection, connect an Ethernet cable to the Gigabit Ethernet port.
6. **Insert Memory Cards:** If needed, insert SD or TF cards into their respective slots. Note that SD and TF card slots cannot be used simultaneously.



SD & Micro SD Card Reader

Easily access to your files and photos



Image: The NOVOO USB C Hub connected to a laptop, an external monitor, a power adapter, and various USB peripherals, demonstrating a typical setup.

OPERATING INSTRUCTIONS

Triple Display Configuration

The docking station supports triple display output for Windows systems and mirror/non-mirror modes for macOS,

subject to OS limitations.

TRIPLE DISPLAY MODE

Note: Your PCs/Phones/Tablets must be Thunderbolt 3/4 or DP Alternate Mode 1.2/1.4 Supported !



When three monitors are connected, the four screens including the host will only display three screens, and the remaining one will be black screen.

Mirror Mode

HDMI 1 up to 1080P
HDMI 2 up to 1080P
VGA up to 1080P



Extend Mode

HDMI 1 up to 1080P
HDMI 2 up to 1080P
VGA up to 720P



Mirror Mode

OS System
(apple laptops)



Extend Mode

OS System
(apple laptops)
All external monitors
display the same content



HDMI 1 up to 1080P
HDMI 2 up to 1080P
VGA up to 1080P

Image: A diagram illustrating various display modes (Mirror and Extend) for both Windows and macOS systems when using the NOVOO USB C Hub with multiple external monitors.

- **Windows System:** Dual HDMI and VGA ports can mirror or extend up to three external monitors.
 - Single HDMI 1: Up to 4K@30Hz (with DP1.4 source).
 - Dual Monitors (HDMI + HDMI or HDMI + VGA): Up to 1080P@60Hz.

- Triple Monitors (HDMI + HDMI + VGA): Up to 2*1080P@60Hz + 1*800x400@60Hz.
- **macOS System:** Due to Mac OS limitations, it supports only mirror mode and non-mirror mode (all external monitors display the same content, or one extended desktop).

Power Delivery (PD) Charging

The dedicated USB-C PD charging port supports up to 100W (20V/5A) power input, allowing you to charge your host laptop while using the docking station. Ensure your device and power adapter support the PD protocol.



Image: The NOVOO USB C Hub connected to a power source, charging both a laptop and a smartphone simultaneously via its Power Delivery port.

Gigabit Ethernet

Connect an Ethernet cable to the RJ45 port for a stable and high-speed wired network connection up to 1000Mbps, ideal for large file transfers and online activities.



Image: The NOVOO USB C Hub with an Ethernet cable connected, indicating a stable Gigabit Ethernet connection for fast internet access.

USB Ports (USB 3.0 & USB 2.0)

The docking station includes two USB 3.0 ports for data transfer speeds up to 5Gbps and two USB 2.0 ports, suitable for connecting low-bandwidth devices like keyboards, mice, and printers.

4 Standard USB Ports

Connect More USB-A Devices



Keyboard



Mouse



Flash Drive



USB3.0 data transmission
up to **5 Gbps**



USB2.0 data transmission
up to **480 Mbps**

Image: The NOVOO USB C Hub displaying its four USB-A ports, two USB 3.0 for high-speed data and two USB 2.0 for peripherals like keyboard and mouse.

SD/TF Card Reader

Access files from your SD and Micro SD (TF) memory cards with transfer speeds up to 5Gbps. Please note that the SD and TF card slots cannot be used simultaneously.

and Power Delivery. A simple USB-C to USB-A adapter will not provide the necessary functionality.

Q3: Display resolution issues.

A3: Refer to the 'Triple Display Configuration' section for supported resolutions. To achieve optimal 3840 x 2160 resolution, ensure you are using a 4K compatible screen display monitor and a DP1.4 source. Resolution may be limited when multiple monitors are connected.

Q4: External monitors go black for a few seconds.

A4: If HDMI monitors go black for 2-4 seconds and then recover, this is normal. It is part of the EDID (Extended Display Identification Data) communication process. The recovery time depends on the laptop and monitor, typically up to 1 minute.

Q5: How to use external monitors with macOS.

A5:

- **Extended Desktop Mode:** Go to Apple menu > System Preferences > Displays > Arrangement tab. Ensure 'Mirror Displays' is not selected. Arrange displays as desired. To set a primary display, drag the menu bar to the preferred screen.
- **Mirror Displays:** Ensure your external display is connected and turned on. Go to Apple menu > System Preferences > Displays > Arrangement tab. Select the 'Mirror Displays' checkbox.

SPECIFICATIONS

| | |
|--------------------|------------------------------------------------------------|
| Model | 11-in-1 USB C Docking Station |
| Brand | NOVOO |
| Hardware Interface | Ethernet, HDMI, MicroSD, USB 2.0, USB 3.0, USB Type C, VGA |
| USB 3.0 Ports | 2 (5Gbps data transfer, 4.5W power output) |
| USB 2.0 Ports | 2 |
| HDMI Output | 2 (Up to 4K@30Hz for single HDMI 1, 1080P@60Hz for dual) |
| VGA Output | 1 (Up to 1080P@60Hz) |
| Ethernet Port | 1 (10/100/1000Mbps Gigabit RJ45) |
| PD Charging Port | 1 (100W/20V/5A) |
| Card Reader | SD and TF (Micro SD) slots, up to 5Gbps |
| Item Weight | 5.3 ounces |
| Package Dimensions | 6.93 x 3.94 x 0.87 inches |

COMPATIBILITY

Compatible Devices (Partial List)

This USB C docking station is compatible with most Thunderbolt 3/4 devices and USB-C devices that support DisplayPort Alternate Mode and Power Delivery.

- **Apple:** M1/M2 MacBook Pro/Air, 12" MacBook 2015/2016/2017, 13"/15" MacBook Pro 2016-2021 or Newer, 13" MacBook Air 2018-2019 or Newer, Mac mini 2018/2019 or Newer, iMac 2018/2019 or Newer.

- **HP:** Spectre x360, EliteBook 640 G9, Elitebook Folio G1, ZBook 15 G3, ENVY x360, HP Laptop 13-af001TU, Probook 450 G5/6/7.
- **Dell:** Latitude 13 7000, Latitude 13 E7370, XPS13/15, XPS12(9250), XPS13(9350), XPS15(9550).
- **Lenovo:** Yoga 720/910/920/930, Yoga 720-13IKB, Yoga 900-13ISK.
- **Microsoft:** Surface Book 2, Surface Go, Surface Laptop 3.
- **ASUS:** 13" ASUS Zenbook UX330UA.

Incompatible Devices (Partial List)

The following devices are known to be incompatible or have limited functionality with this docking station:

- **Apple:** MacBook Pro 2020 (M1), MacBook Air 2020 (M1), Mac mini 2020 (M1), older MacBook Air (13-inch, 2017, 2016, 2015, 2014, 2013 and older), older MacBook Pro (13-inch, Early 2015, 2014, 2013 and older), iMac 2009-2015, MacBook Air 7.2, Apple USB SuperDrive.
- **Dell:** Inspiron 17 5000 series, Inspiron 15 5000 series, Latitude E7270, Latitude 7470, Inspiron 3793, Inspiron 7000 Gaming Laptop, Vostro MT 3671, Inspiron 15 3000, Inspiron 11 3000 2-in-1, Inspiron 17 3000, Chromebook 5190, Latitude 3390.
- **Samsung:** Galaxy Tab 5, Galaxy A50 phone, Galaxy A20/A20E/A50/A70/A80/S6/S7/J6/J7/M20/M30, Galaxy Tab A/10.1/10.5/S3.
- **ASUS:** Vivo Book series, Q547, Zenbook UX330UA-AH55, Q526f USB-C 3.1 Gen 1, TUF 17.3 Full HD Gaming Laptop, ZenBook Flip 14 UX461FN-DH74T, L203MA Laptop PC, Zenbook UX434X, S15 S512FA, Acer Aspire A515-54, Q547FD.
- **Lenovo:** Ideapad Flex 15IWL/5-1570/6 14IKB, T570, Flex 14 2-in-1 81SS000DUS, Ideapad 330/L340/Ideapad 3 (81we0016us)/IdeaPad 5/Ideapad Flex 15 IML/Ideapad Flex 5.15IIL05, Thinkpad 1490/Flex 15.6" 2-in-1 Touchscreen Laptop/Ideapad 5, 2-in-1, 15"/IdeaPad S340 Laptop(81N800H2US)/Ideapad 330/Y520/Yoga 520, Ideapad 3 (17"), ThinkPad 11e Yoga Gen 6 (11") 2-in-1, X250, Ideapad 320, Ideapad 330, Ideapad Flex 5 1470, Ideapad S340-15IWL 81N800H0US.
- **HP:** Elite 840 G4/Elitebook 840 G3/820 G4/Elitebook 745 G6 Laptop/Elitebook Bang and Olufsen/7265NGW/EVGA SC15/17t-by300(model 8yk40av_1)/Model 15-dy1076nr/Envy 15/Prodesk 600 G2/Probook 650 G2/Probook 640 G2 G3/Spectre x360 13; 14/14-dq1033cl; 15t; Elite Desk Mini 800 G2; 340S G7 Notebook; Athlon Silver Laptops; Probook 640 G2; 15-dw2025cl Laptop/14-dq1033cl Laptop; Model 15-y1751ms/15-dw0037wm; Whole Pavilion Series; HP 600 G2/700 G3/800 Series/1030 G1/1040 G3 series Notebooks; HP Desktop PCIe Card for 6/7/8 TWR, MT, SFF.
- **Acer:** Aspire E5-575/Aspire R15/Aspire R5-571T/G3-571; E5-576G; Predator Helios 300, Aspire A717-72G, Aspire A515-44-R1DM, Aspire A515-54 model.
- **MSI:** GL65/GF63 8RD with i7 8th gen/GF65 THIN 9SD-252 gaming laptop/GL75 leopard gaming laptop/GERVR 7RF Apache Pro/GE73 Raider RGB 8RF/GS73VR 7RG Stealth Pro/GF63 Tin 9SC.
- **Others:** OnePlus 2/3/3T/5T/6T; All Motorola phones; GoPro; Amazon Fire Tablet; Surface Dock 2; LG Google Nexus 5X/6P, LG Stylist/LG G6, LG V30, LG K10/K20. Predator Helios 300 PH315-52-754M, Microsoft Surface Pro 5, Surface Pro 6, Huawei MediaPad M5 Lite.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact NOVOO customer service directly. Keep your purchase receipt for warranty claims.