Yottamaster B0CTHLD7CF

Yottamaster USB C Docking Station with M.2 NVMe SSD Enclosure User Manual

Model: B0CTHLD7CF

1. Introduction

This manual provides detailed instructions for the Yottamaster USB C Docking Station with M.2 NVMe SSD Enclosure. This device is designed to expand connectivity options for your computer and provide integrated storage capabilities. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's potential.

Image 1.1: Yottamaster USB C Docking Station with M.2 NVMe SSD Enclosure. This image shows the docking station in an exploded view, highlighting the M.2 SSD slot and various ports.

2. Safety Information

- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Ensure proper ventilation around the device during operation.
- Use only the provided or recommended cables and power adapters.

3. Package Contents

Verify that all items are present in the package:

- 10-in-1 USB C Hub with NVMe SSD Enclosure
- Storage bag

- USB-C to C 10G cable (0.5M)
- Plastic plug
- Thermal silicone pad
- Heatsink with Copper Heatpipe
- User manual
- Packaging box

Image 3.1: Package contents. This image displays all items included in the product packaging, numbered for easy identification.

4. Product Overview

The Yottamaster USB C Docking Station is a versatile 10-in-1 hub featuring an integrated M.2 NVMe SSD enclosure. It provides extensive connectivity and data storage solutions for various devices.

Key Features:

- **10-in-1 Connectivity:** Includes USB3.0-A ×2, USB3.2 Gen2-A ×1, PD100W Type-C ×1, Type-C 10 Gbps ×2, Gigabit RJ45 ×1, HDMI 4K@60Hz ×1, and USB SD/TF port ×1.
- **M.2 NVMe/SATA Enclosure:** Supports M.2 NVMe and SATA SSDs (sizes 2230, 2242, 2260, 2280) for expanded storage.
- **High-Speed Data Transfer:** Up to 10Gbps via Type-C and USB-A ports.
- **4K@60Hz HDMI Output:** Delivers high-definition video output with dynamic HDR.
- **100W Power Delivery (PD):** Fast charging for compatible devices.
- **Gigabit Ethernet:** Stable and fast wired network connection.
- **SD/TF 3.0 Card Reader:** Simultaneous reading of SD and TF cards at up to 104MB/s.
- **Efficient Cooling:** Aluminum alloy + ABS material with M.2 aluminum heatsink, nano silicone thermal pad, and 5mm copper heatpipe for optimal heat dissipation.

Image 4.1: Port layout of the 10-in-1 USB Hub Enclosure. This diagram illustrates the various input and output ports available on the docking station, including USB-C, USB-A, HDMI, Ethernet, and card reader slots.

5. Setup

5.1 M.2 SSD Installation

Follow these steps to install an M.2 NVMe or SATA SSD into the enclosure:

1. **Remove the enclosure's cover:** The cover is magnetically attached for easy access.
2. **Attach thermal components:** Place the silicone thermal pad onto the SSD, then secure the heatsink vest on top.
3. **Insert plastic plug:** Insert the small plastic plug into the SSD's end groove.
4. **Insert SSD:** Gently insert the SSD into the M.2 slot at a 30-degree angle for proper alignment.
5. **Secure SSD:** Rotate the plastic plug to firmly secure the SSD in place.
6. **Close cover:** Close the top cover until it magnetically snaps into place.

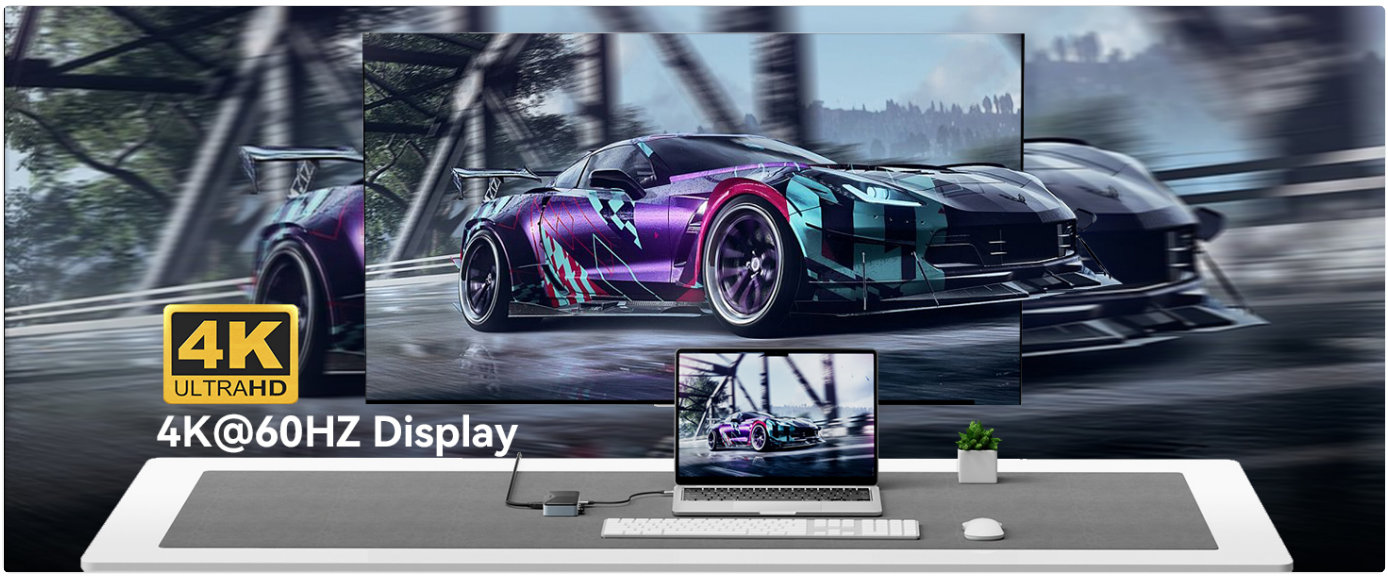


Image 5.1: Step-by-step M.2 SSD installation guide. This diagram illustrates the six steps required to correctly install an M.2 SSD into the docking station's enclosure, including thermal pad and heatsink placement.

5.2 Connecting to Host Device

Connect the docking station to your computer using the provided USB-C to C 10G cable. Ensure your computer has a compatible USB-C port (preferably USB 3.2 Gen2 or Thunderbolt 3/4) for optimal performance.

5.3 Power Connection

For stable operation, especially when using multiple peripherals or charging, connect a power adapter to the PD100W Type-C port on the docking station. This port supports up to 100W power delivery to your host device.

6. Operating Instructions

6.1 USB Data Ports

The docking station features multiple USB ports:

- **USB3.2 Gen2-A (10Gbps) x1:** For high-speed peripherals like external SSDs.
- **USB3.0-A (5Gbps) x2:** For standard USB devices such as keyboards, mice, or USB flash drives.
- **Type-C (10Gbps) x2:** For connecting USB-C peripherals or for high-speed data transfer.

Simply plug your USB devices into the corresponding ports. The docking station supports simultaneous use of these ports.

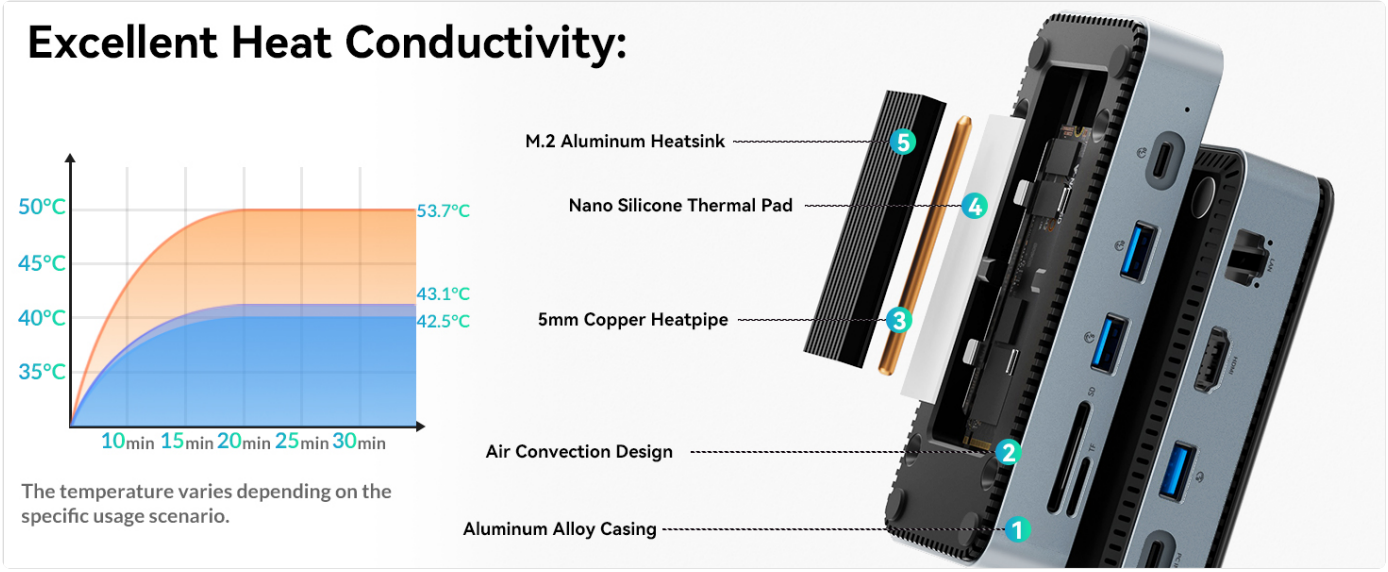


Image 6.1: Data transfer speed demonstration. This image shows a laptop connected to the docking station, with a graphical representation of 10Gbps transfer speeds, indicating efficient data handling.

6.2 HDMI Display Output

Connect an external monitor or TV to the HDMI port. The docking station supports 4K resolution at 60Hz, providing a clear and vibrant display. Ensure your display and HDMI cable support 4K@60Hz for optimal performance.

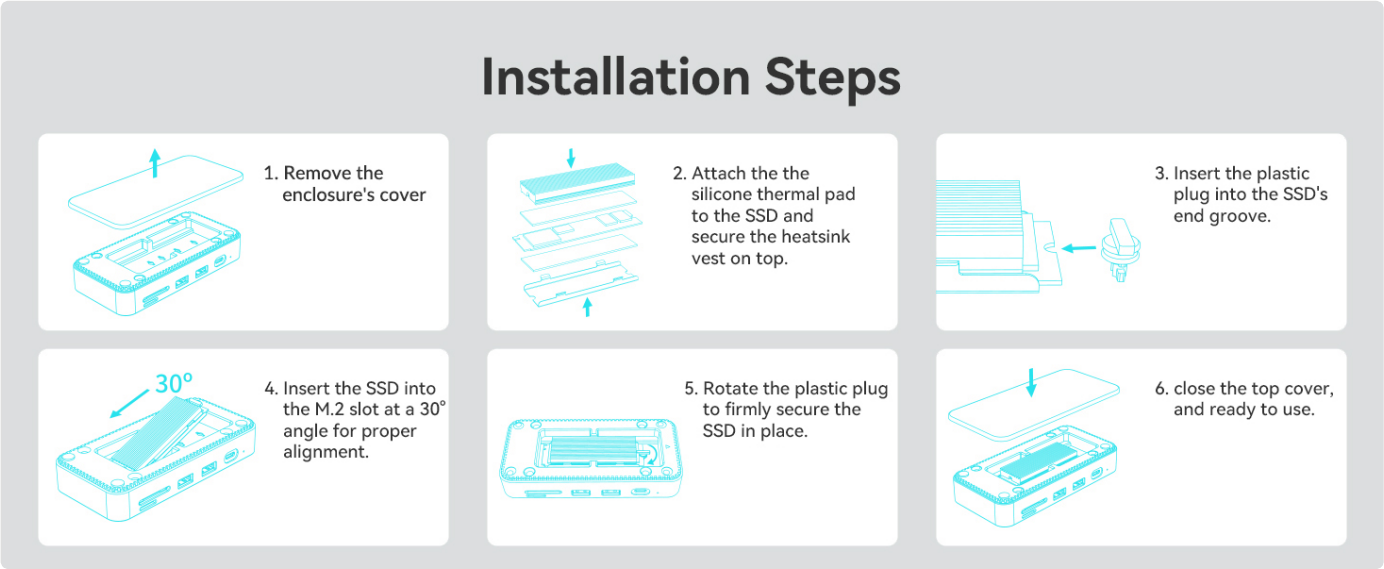


Image 6.2: Laptop connected to an external 4K@60Hz display via the docking station. This image demonstrates the high-resolution video output capability of the device.

6.3 Gigabit Ethernet

For a stable and high-speed internet connection, connect an Ethernet cable to the RJ45 port on the docking station. This provides a reliable 1000Mbps wired connection, ideal for gaming or streaming.

Image 6.3: Laptop connected to a wired network via the docking station's 1000Mbps Ethernet port. This highlights the stable internet connectivity feature.

6.4 SD/TF Card Reader

Insert your SD or TF (MicroSD) cards into the respective slots. The docking station supports simultaneous reading of both card types at speeds up to 104MB/s, facilitating quick transfer of photos and videos.

Image 6.4: User processing photos with the SD/TF 3.0 Dual Card Reader. This image shows a person using the card reader slots on the docking station to transfer media from a camera to a laptop.

6.5 Power Delivery (PD) Charging

The dedicated PD100W Type-C port allows you to charge your laptop or other compatible devices while using the docking station. Connect your laptop's power adapter to this port to enable pass-through charging.

Image 6.5: Laptop receiving 100W PD fast charging through the docking station. This image illustrates the power delivery capability, showing a laptop charging while connected to the hub.

7. Compatibility

The Yottamaster USB C Docking Station is compatible with a wide range of operating systems and devices:

- **Operating Systems:** Windows, macOS, Linux
- **Compatible Devices:** Laptops, Desktops, Mini PCs, and other devices with a compatible USB-C port.

Image 7.1: Device and operating system compatibility. This image shows the docking station's compatibility with various operating systems (Mac OS, Windows, Linux) and devices (Laptops, TVs, Xbox, Switch, PC, PS5, Phone).

8. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or solvents.
- **Storage:** When not in use, store the docking station in a cool, dry place, preferably in its protective storage bag.
- **Heat Dissipation:** Ensure the device's ventilation grooves are not obstructed to maintain optimal cooling performance.

Image 8.1: Internal cooling design of the docking station. This diagram illustrates the components contributing to efficient heat dissipation, including the M.2 aluminum heatsink, thermal pad, copper heatpipe, and air convection design.

9. Troubleshooting

- **Device Not Detected:**
  - Ensure the USB-C cable is securely connected to both the docking station and your host device.
  - Try connecting the docking station to a power source via the PD100W port.
  - Test with a different USB-C cable, as some cables may be defective or not support the required bandwidth.
  - Ensure your computer's USB-C port supports data transfer and display output.

- **SSD Not Detected:**
  - Verify the SSD is correctly installed according to the instructions in Section 5.1.
  - Ensure the SSD is properly seated and secured with the plastic plug.
  - Check if the SSD is initialized and formatted in your operating system's Disk Management (Windows) or Disk Utility (macOS).
  - Confirm the SSD is compatible (M.2 NVMe or SATA, sizes 2230/2242/2260/2280).
- **No Display Output via HDMI:**
  - Ensure the HDMI cable is securely connected to both the docking station and the monitor.
  - Verify the monitor input source is set correctly to the HDMI port.
  - Try a different HDMI cable.
  - Ensure your host device's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode).
- **Slow Data Transfer Speeds:**
  - Ensure your host device's USB-C port is USB 3.2 Gen2 (10Gbps) or Thunderbolt.
  - Use the provided USB-C to C 10G cable.
  - Verify the connected SSD or USB device supports 10Gbps speeds.
  - Avoid using excessively long or low-quality cables.
- **Charging Issues:**
  - Ensure a compatible PD power adapter (e.g., 100W) is connected to the docking station's PD port.
  - Verify your laptop supports USB-C PD charging.

10. Specifications

Feature	Specification
Model	B0CTHLD7CF
Brand	Yottamaster
Dimensions	4.33 x 1.97 x 1.18 inches
Item Weight	1.06 ounces
Color	Grey
Hardware Interface	Ethernet, HDMI, MicroSD, USB 3.0, USB Type C
Special Features	Fast Charging, Fast Data Transfer, Pass Through Charge, Plug and Play, Portable
Compatible Devices	Desktops, Laptops, Mini PC
M.2 SSD Compatibility	NVMe/SATA protocols, sizes 2230, 2242, 2260, 2280
HDMI Resolution	Up to 4K@60Hz
Power Delivery	Up to 100W
Ethernet Speed	1000Mbps (Gigabit)

Card Reader Speed	Up to 104MB/s (SD/TF 3.0)

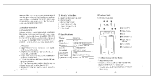
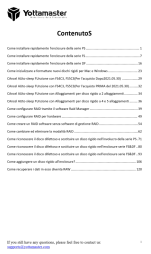
11. Warranty Information

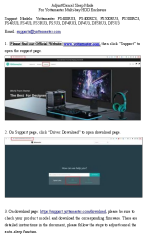
Yottamaster products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Yottamaster website for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

12. Support

For technical assistance, troubleshooting, or product inquiries, please contact Yottamaster customer support through their official website or the contact information provided in your product documentation. When contacting support, please have your product model (B0CTHLD7CF) and purchase details ready.

Related Documents - B0CTHLD7CF

	Yottamaster HC1-C3 M.2 NVMe SSD Clone Duplicator User Manual User manual for the Yottamaster HC1-C3, an M.2 NVMe SSD clone duplicator with offline cloning capabilities, USB 3.1 Gen2 10Gbps interface, and tool-free installation. Includes product overview, specifications, operating instructions, notes, warranty, and FCC compliance.
	Yottamaster T7400 PCIe Gen4 NVMe M.2 SSD Enclosure User Manual Comprehensive user manual for the Yottamaster T7400 M.2 NVMe SSD enclosure, detailing installation, usage, features, troubleshooting, and specifications for PCIe Gen4 performance.
	Guida Utente Yottamaster: Installazione, Configurazione RAID e Gestione Dischi Manuale completo per gli enclosure Yottamaster, che copre l'installazione dei dischi rigidi, la configurazione RAID hardware e software, la formattazione, la sostituzione dei dischi e il recupero dati.
	Yottamaster Y-Pioneer Series Quick Installation Guide A comprehensive quick installation guide for the Yottamaster Y-Pioneer Series external hard drive enclosures, covering appearance, hard drive installation, connection, formatting, RAID setup, drive management, and initialization for Windows and macOS.

	[Guida rapida all'installazione Yottamaster Y-Focus Series] Questa guida rapida fornisce istruzioni dettagliate per l'installazione e la configurazione dei dispositivi Yottamaster Y-Focus Series, inclusa la gestione dei dischi rigidi e le impostazioni RAID.
	[Yottamaster HDD Enclosure Sleep Mode Adjustment Guide] Instructions and firmware download guide for adjusting or canceling the auto-sleep mode on Yottamaster multi-bay HDD enclosures, including support models and download links.