Inateck HB5002-DG

Inateck USB C Hub HB5002-DG Instruction Manual

Model: HB5002-DG | Brand: Inateck

1. INTRODUCTION

The Inateck USB C Hub HB5002-DG is a multi-port Type C adapter designed to expand the connectivity of your USB C enabled devices. It extends your single USB C port to include 2 USB A 3.0 ports, 1 HDMI port, 1 Type C charging and data port, 1 Gigabit Ethernet interface, 1 SD card reader, and 1 Micro SD card slot. This hub is engineered to meet various connectivity needs simultaneously, providing a comprehensive solution for modern laptops and tablets.

2. PRODUCT FEATURES

- **Multi-Port Connectivity:** Extends one USB C port to 2 USB A 3.0 ports, 1 HDMI port, 1 Type C charging and data port, 1 Ethernet interface, 1 SD card reader, and 1 Micro SD card slot.

- **Universal Compatibility:** Operates with all Type C laptops and tablets, including MacBook 12 Inch, MacBook Pro 2016, Dell XPS series, and more. Compatible with Windows 7/8/10, Mac OS X, and Android operating systems.

- **4K HDMI Video Output:** Supports video transmission with resolutions up to 3840x2160@30Hz, enabling high-definition display on external monitors (requires the output device to support DP Alt mode).

- **Multi-functional USB C Port:** Supports Power Delivery 3.0, providing up to 60W (20V, 3A) for charging your host device and external peripherals.

- **Gigabit Ethernet Interface:** Provides a stable, high-speed wired internet connection, backward compatible with 100/10Mbps Ethernet.

- **SD and Micro SD Card Readers:** Facilitates easy data transfer from various memory cards.

- **DC Power Port:** Included to supply additional power to the hub when using devices that require high energy consumption.

3. PACKAGE CONTENTS

- 1 x Inateck USB C Hub HB5002-DG
- 1 x User Manual

4. PRODUCT DIAGRAM

Seven in One USB C Hub

Extend more ports to satisfy your needs.

- Gigabit Ethernet Port
- HDMI Port
- SD Port
- USB C PD / Data Port
- Micro SD Port
- USB 3.0 Port
- DC 5V Port

Image 1: Overview of the Inateck USB C Hub HB5002-DG, highlighting its various ports and their functions.

5. SETUP INSTRUCTIONS

1. **Connect the Hub:** Plug the USB C connector of the Inateck Hub into the USB C port of your laptop, tablet, or compatible device. Ensure the connection is secure.

2. **Connect Power (Optional):** If your device requires charging or if you are connecting high-power consumption peripherals, connect your USB C power adapter to the hub's USB C PD/Data port. The hub supports Power Delivery 3.0 for pass-through charging.

3. **Connect Peripherals:** Connect your desired devices to the corresponding ports on the hub:

   - **USB A Devices:** Plug USB flash drives, external hard drives, keyboards, mice, or other USB A peripherals into the USB 3.0 ports.
   - **HDMI Display:** Connect an HDMI cable from the hub's HDMI port to your monitor or TV for video output.
   - **Ethernet Cable:** For a stable wired internet connection, plug an Ethernet cable into the Gigabit Ethernet port.

- **Memory Cards:** Insert SD or Micro SD cards into their respective slots for data access.

4. **DC 5V Power (Optional):** If you encounter power instability with multiple high-power devices connected, you may use an external DC 5V power adapter (not included) with the dedicated DC 5V port on the hub.

Image 2: The Inateck USB C Hub in use, connected to a laptop and various peripherals.

6. OPERATING INSTRUCTIONS

6.1. USB 3.0 Ports

The two USB 3.0 ports support data transfer speeds up to 5Gbps. Connect your USB A devices such as external hard drives, USB flash drives, keyboards, mice, or other peripherals for data access and control.

6.2. HDMI Port

Connect an HDMI-enabled display (monitor, TV, projector) to the hub's HDMI port. This port supports resolutions up to 4K (3840x2160) at 30Hz. Ensure your host device's USB C port supports DisplayPort Alternate Mode (DP Alt Mode) for video

output functionality.

Image 3: Demonstrating 4K high-definition video output via the HDMI port.

6.3. USB C PD/Data Port

This versatile port serves two main functions:

- **Power Delivery (PD):** Connect your original USB C power adapter to this port to charge your host device (laptop/tablet) through the hub. It supports PD3.0 up to 60W.
- **Data Transfer:** This port also supports data transfer for compatible USB C devices.

Highspeed USB C Charging Port

Support PD3.0 60W (20V, 3A) to supply power for computer via the USB C port.

The actual power is about 55W for MacBook Pro because the 5W power is occupied by the hub.

Image 4: High-speed USB C charging port in action, supplying power to a MacBook Pro and an iPhone.

6.4. Gigabit Ethernet Port

For a more stable and faster internet connection, plug a standard RJ45 Ethernet cable into this port. It supports Gigabit Ethernet (1000Mbps) and is backward compatible with 100/10Mbps networks.

6.5. SD and Micro SD Card Readers

Insert your SD or Micro SD memory cards into the respective slots to access photos, videos, and other files. Both slots can be used simultaneously for convenient data management.

Ethernet Port & SD Card Reader

Backward compatible with 100/10Mbps Ethernet.
Convenient SD & Micro SD Card Slot make data transfer easier.

Image 5: Ethernet port and SD card reader functionality.

7. COMPATIBILITY

The Inateck USB C Hub HB5002-DG is designed for broad compatibility:

- **Operating Systems:** Windows 7/8/10, Mac OS X, Android. No drivers are typically needed for basic functionality.
- **Compatible Devices:** Works with most Type C laptops and tablets that support USB C Alt Mode, including but not limited to:

  - MacBook 12 Inch
  - MacBook Pro 2016 and later models
  - Dell XPS series
  - Other USB C enabled laptops and tablets

Image 6: Universal compatibility with Windows, Mac OS, and Android devices.

8. MAINTENANCE

- Keep the hub clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the hub to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact customer support if service is required.
- Disconnect the hub from your device when not in use for extended periods.

9. TROUBLESHOOTING

- **No Display via HDMI:**
  - Ensure your host device's USB C port supports DisplayPort Alternate Mode (DP Alt Mode).
  - Check the HDMI cable connection between the hub and the display.
  - Verify the display input source is correctly selected.
  - Try connecting the hub to a different USB C port on your device.

- **No Internet Connection via Ethernet:**

- Ensure the Ethernet cable is securely connected to both the hub and your router/modem.
- Check your network settings on your computer.
- Restart your router/modem and your computer.

- **USB Devices Not Recognized:**

  - Ensure the USB device is properly inserted into the hub's USB 3.0 port.
  - If connecting a high-power USB device (e.g., external hard drive), ensure the hub is connected to a power source via its USB C PD port or DC 5V port.
  - Try connecting the USB device directly to your computer to rule out device issues.

- **Charging Issues:**

  - Ensure your USB C power adapter is connected to the hub's USB C PD port.
  - Verify your power adapter meets the power requirements of your host device.
  - Some devices may require more power than the hub can pass through; check your device's power specifications.

10. SPECIFICATIONS

Feature	Detail
Brand	Inateck
Model Number	HB5002-DG
Material	Aluminum
Number of Ports	7 (2x USB A 3.0, 1x HDMI, 1x USB C PD/Data, 1x Ethernet, 1x SD, 1x Micro SD)
HDMI Output	Up to 4K (3840x2160) @ 30Hz
USB C PD Port	PD3.0, up to 60W (20V, 3A)
Ethernet	Gigabit (10/100/1000Mbps)
USB A 3.0 Ports	Data transfer up to 5Gbps
Card Readers	SD and Micro SD (simultaneous use)
Compatible OS	Windows 7/8/10, Mac OS X, Android
Product Dimensions	11.91 x 5.51 x 1.7 cm
Product Weight	132 g

11. WARRANTY INFORMATION

Inateck products are covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Inateck website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

12. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries regarding your Inateck USB C Hub HB5002-DG, please contact

Inateck customer support. You can find contact information on the official Inateck website or through the retailer where you purchased the product.