

Hiearcool UCN3610

Hiearcool UCN3610 USB C Hub 8-in-1 Instruction Manual

Model: UCN3610

1. INTRODUCTION

The Hiearcool UCN3610 USB C Hub is a versatile 8-in-1 multi-port adapter designed to expand the connectivity of your USB-C enabled devices. This hub provides essential ports for display, networking, data transfer, and power delivery, enhancing your productivity and entertainment experience.



Image 1.1: Overview of the Hiearcool UCN3610 USB C Hub and its connectivity options.

2. PRODUCT FEATURES

The Hiearcool UCN3610 hub integrates eight essential ports into a compact design:

- **1 x 4K HDMI Port:** Supports video output up to 4K resolution at 60Hz, ideal for external monitors, TVs, or projectors.
- **1 x Gigabit Ethernet Port:** Provides a stable and fast wired network connection (10/100/1000 Mbps).
- **1 x 100W Power Delivery (PD) Port:** Allows for high-speed charging of your host device while using other hub functions.
- **3 x USB 3.0 Ports:** Offers data transfer speeds up to 5 Gbps for connecting peripherals like keyboards, mice, and external drives.
- **1 x SD Card Slot:** Supports SD, SDHC, SDXC cards with transfer speeds up to 104 Mbps.
- **1 x TF (Micro SD) Card Slot:** Supports Micro SD, Micro SDHC, Micro SDXC cards with transfer speeds up to 104 Mbps.

HIGHER REFRESH RATE

Experience beautifully vivid colors and dynamic contrast with a 4K@60Hz image.

Hiarcool

60 FPS
Hz



OTHERS

30 FPS
Hz



4K



Image 2.1: Detailed view of the hub's ports, including HDMI, PD, USB 3.0, Ethernet, SD, and TF slots.



Image 2.2: Port specifications and capabilities of the Hiearcool UCN3610 hub.

3. SETUP GUIDE

Follow these steps to set up your Hiearcool UCN3610 USB C Hub:

- 1. Connect to Host Device:** Plug the USB-C connector cable of the Hiearcool hub into an available USB-C port on your laptop, tablet, or smartphone. Ensure your device's USB-C port supports data transfer and display output (DisplayPort Alternate Mode) for full functionality.
- 2. Power Connection (Optional but Recommended):** For stable operation and to charge your host device, connect your original USB-C power adapter to the 100W PD port on the hub.
- 3. Connect Peripherals:**
 - HDMI Display:** Connect an HDMI cable from your monitor/TV to the HDMI port on the hub.
 - Ethernet Network:** Connect an Ethernet cable from your router/modem to the Ethernet port on the hub.
 - USB Devices:** Plug USB peripherals (e.g., mouse, keyboard, USB flash drive) into the USB 3.0 ports.
 - Memory Cards:** Insert SD or TF cards into their respective slots.
- 4. Driver Installation:** The hub is generally plug-and-play and does not require additional drivers for most operating systems. If any issues arise, ensure your device's operating system is up to date.

4. OPERATING INSTRUCTIONS

4.1. HDMI Display Output

Connect an HDMI-enabled display to the hub's HDMI port. Your host device should automatically detect the external display. You can configure display settings (e.g., mirror, extend, resolution) through your operating system's display settings. The hub supports resolutions up to 4K at 60Hz.

SOLID NETWORK CONNECTIVITY

Instead of spotty Wi-Fi, you will need a solid connection to face a different challenge.

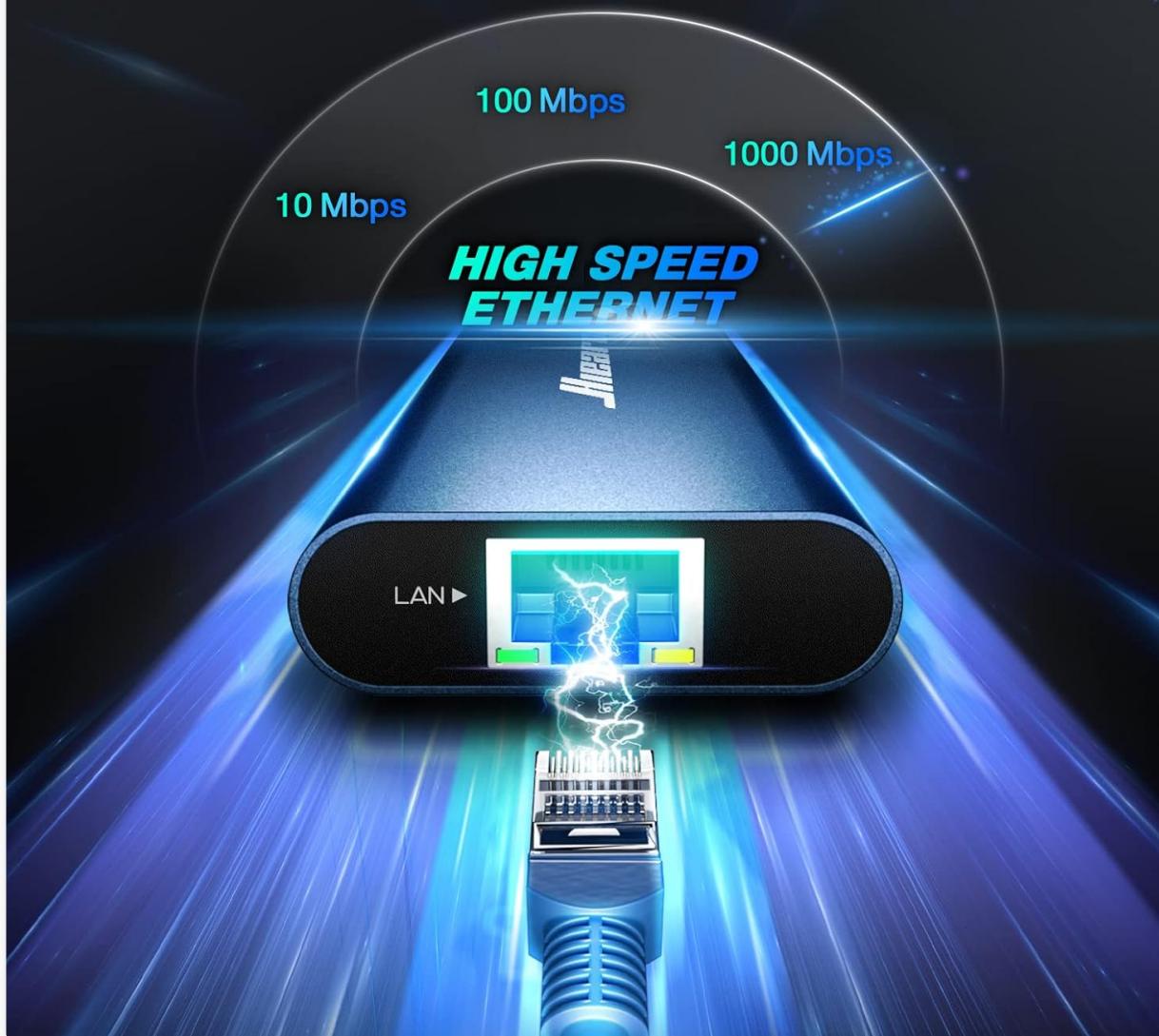


Image 4.1: Demonstrating 4K 60Hz display output from a laptop through the hub to an external monitor.

4.2. Ethernet Connection

Plug an Ethernet cable into the hub's RJ45 port. The hub will provide a stable wired network connection to your host device, offering speeds of 10/100/1000 Mbps. This is an alternative to Wi-Fi, providing a more reliable and often faster internet connection.



Image 4.2: The Ethernet port on the hub, ready for a wired network connection.

4.3. USB 3.0 Data Transfer

The three USB 3.0 ports support data transfer speeds up to 5 Gbps. Connect USB flash drives, external hard drives, keyboards, mice, or other USB peripherals. These ports are backward compatible with USB 2.0 devices.

4.4. SD/TF Card Reader

Insert your SD or TF (Micro SD) memory cards into the corresponding slots. The hub supports simultaneous reading and writing to both card types, with speeds up to 104 Mbps. Note: Some systems may only allow one card to be active at a time.

4.5. Power Delivery (PD) Charging

Connect your device's original USB-C power adapter to the hub's 100W PD port. This allows your host device to receive power through the hub, ensuring it remains charged while you use other connected peripherals. The hub itself requires a small amount of power to operate.

8IN1
MASSIVE
EXPANSION



Image 4.3: The hub facilitating 100W power delivery to a connected laptop.

4.6. Usage Scenarios

The Hiearcool UCN3610 hub is suitable for various applications:

- **Work & Productivity:** Connect to an external monitor, wired network, and multiple USB peripherals for an extended workstation.
- **Education:** Facilitate presentations by connecting to projectors or external displays, and use USB ports for input devices.
- **Entertainment:** Stream 4K video to a large screen or projector, and connect external storage for media playback.
- **Gaming:** Connect to a high-refresh-rate monitor and wired peripherals for an enhanced gaming experience.

Unmatched Performance

Powered by an advanced chip for exceptional stability, heat resistance, and high-efficiency performance.



Image 4.4: The hub in a work environment, expanding a laptop's display and connectivity.

Network Option

Equipped with an Ethernet port to provide you with more stable network output.



Image 4.5: The hub used for gaming, connecting a laptop to a monitor and peripherals.



Image 4.6: The hub enabling media projection from a laptop for entertainment.

5. COMPATIBILITY

The Hiearcool UCN3610 USB C Hub is designed for broad compatibility with devices featuring a USB-C port that supports DisplayPort Alternate Mode (DP Alt Mode) and Power Delivery. This includes Thunderbolt 3/4, USB-C 3.1 Gen 2, and USB-C 3.1 Gen 1 with DisplayPort support.

5.1. Compatible Systems & Devices (Partial List)

- **Operating Systems:** Mac OS, Windows, iPad OS, Chrome OS, Android, Ubuntu.
- **Laptops:** MacBook Pro, MacBook Air (M1, M2, M3), Dell Laptops, HP Laptops, Lenovo Laptops, ASUS Laptops, Chromebooks.
- **Tablets:** iPad Pro, iPad Air, iPad Mini, Galaxy Tab, Surface Pro.
- **Other Devices:** Steam Deck, Type C Smartphones (e.g., iPhone 15 series, Samsung S22, OnePlus 11), iMac.



Image 5.1: A visual representation of compatible systems and devices.

5.2. Important Compatibility Note

Ensure that your laptop is equipped with Thunderbolt 3, USB-C 3.1 Gen 2, or USB-C 3.1 Gen 1 (with DisplayPort support) to enable multiple-display functionality before making a purchase. Ports that only support data transfer or charging will not output video.

Image 5.2: Visual guide for identifying compatible and incompatible USB-C ports on host devices.

5.3. Incompatible List (Partial List)

Some devices or specific models may not be fully compatible or support all features. Please refer to your device's specifications or contact Hiearcool support if unsure.

⚠️ Compatible with select Thunderbolt 3, USB-C 3.1 Gen 2, or USB-C systems that support DisplayPort functionality.	
COMPATIBLE	INCOMPATIBLE
✓ Thunderbolt 3 Full Function	✗ Data Transfer Only
✓ Support Data Vedio Transfer	✗ Charging Only
✓ Data + Displayport alt	✗ Data Transfer Only

* Please ensure that your laptop is equipped with Thunderbolt 3, USB-C 3.1 Gen 2, or USB-C 3.1 Gen 1 (with DisplayPort support) to enable multiple-display functionality before making a purchase.

Image 5.3: Partial list of incompatible Dell, Lenovo, and HP models.

INCOMPATIBLE LIST (PARTIAL LIST)

Dell

Dell Latitude 5500 / Dell Latitude E5440 / Dell Inspiron 15 5000 5593 / Dell latitude e7270 / Dell latitude e5470 / Dell Latitude E7470 / Dell Inspiron 14 14" / Dell Latitude 3340 / Dell Precision 7510 / Dell Latitude 13 7350 / Dell Inspiron 5770
DELL Inspiron N5110 / Dell Latitude E7240 / Dell Latitude E5270 / Dell Precision M6800 / Dell Latitude 3380 / Dell Inspiron 5570 / Dell Latitude E5570 / Dell Latitude E7450 / Dell Inspiron 7573 / Dell Inspiron 5559 / Dell Latitude 3570
Dell Latitude E6530 / Dell Latitude E5570 / Dell Latitude E6540 / Dell Inspiron 3493 / Dell Inspiron 15 3567 / Dell Latitude E7440 / Dell Latitude 3540 / Dell Inspiron 15 5000 5577 / Dell Inspiron 3543 / Dell Latitude e5400 / Dell Precision M3800
Dell Latitude E7270 / Dell Latitude 5424 Rugged / Dell Inspiron 15 5000 Series 5567 / Dell Latitude E6410 / Dell Precision M4800 / Dell Latitude E7450 / Dell Latitude E7250 / Dell Inspiron 3593 / DELL Inspiron 7000 / Dell Latitude E5550
Dell Inspiron 3583 / Dell Inspiron 5481 / Dell Latitude E6430 / Dell Latitude E5450 / Dell XPS 2710 / Dell Latitude E7470 / Dell 3410 / Dell Latitude 3490 / Dell Inspiron 3793 / Dell Latitude 3590 / Dell Latitude 7210 / Dell Latitude 7214
Dell Latitude E6400 / Dell Inspiron 17R 5737 / Dell Inspiron 15 5548 / Dell Inspiron 17 3737 / Dell Inspiron 5421

Lenovo

Lenovo ideapad s340 15.6" / Lenovo ideapad flex-15IML / Lenovo g50 / Lenovo IdeaPad Flex 14 2-in-1 / Thinkpad E595 / Lenovo Flex 5 / Lenovo IdeaPad S540 / Lenovo Flex 14 81SQ000EUS / Lenovo Flex 14 2-in-1 Convertible Laptop
Lenovo Ideapad Flex 14IML / Lenovo Ideapad 330 / Lenovo ThinkPad E590 / Lenovo ThinkPad T450 / Lenovo ThinkPad T450s / Lenovo ThinkPad X270 / Lenovo ThinkPad L340 / Lenovo ThinkPad T420
Lenovo ThinkPad T560 / Lenovo X250 / Lenovo ThinkPad X1 Yoga Gen 1 / Lenovo IDEAPAD GAMING 3i (15") / Lenovo IdeaPad 330S / Lenovo ThinkPad T440P / Lenovo ThinkPad T440 / Lenovo ThinkPad T450 / Lenovo YOGA 260
Lenovo ThinkPad Yoga 11e / Lenovo ThinkPad T460s / Lenovo ThinkPad T540P / Lenovo Yoga 710 / Lenovo IdeaPad 320 / Lenovo ThinkPad T460 / Lenovo ThinkPad T450 / Lenovo ThinkPad T430 / Lenovo ThinkPad X220
Lenovo ThinkPad P50s / Lenovo ThinkPad T440s / Lenovo IdeaPad 3 14IML05 / Lenovo ThinkPad E570 / Lenovo ThinkPad T420S / Lenovo Yoga 520.Lenovo IdeaPad L340-15IRH Gaming /
Lenovo Flex 5-15ITL05 Laptop (ideapad) - Type 82HT

HP

HP elitebook 1030 x360 g2 / HP EliteBook 840 G3 / HP Notebook 15-dy1023dx / HP elitebook 840 G4 / HP 15t / HP Pavilion x360 Convertible PC / HP 17-1010US / HP 14 (14-dt0023dx) / HP Pavilion x360 convertible 15-cr0xx
HP ENVY 15t Notebook PC / HP Pavilion x360 convertible 15-cr0xx / HP Pavilion 14-cs0663dx / HP Pavilion 14-dg1045cd / HP 255 G3 Notebook PC / HP Probook 430 G3 PC / HP Spectre x360 Convertible
HP EliteBook 8470p / HP pavilion g5 / HP EliteBook 845 G3 / HP Pavilion g6 / HP Probook 640 G3 / HP Pavilion 15-cs0543dx / HP Pavilion 14-cs0043dx / HP Pavilion 15-cs0564t / HP Pavilion 14-cs013dx
HP 255 G7 / HP Notebook 15-91071xx / HP EliteBook 1030 G1 / HP EliteBook 8440p / HP 14 14.0" Laptop / HP Notebook 15-cs0411xx / HP Laptop 15-be01xx / HP Laptop 14-dt018xx / HP 17-173dx
HP 255 G6 Notebook / HP Pavilion 15-oct18xx / HP Elite x2 1012 G2 / HP Probook x360 11 G2 EE / HP EliteBook 850 G3 / HP 15-dy173xx / HP Pavilion 15-cs0365xx / HP 15-dy1043dx / HP Probook 650 G3 / HP Chromebook 11 G5
HP EliteBook 820 G1 / HP EliteBook 820 G2 / HP EliteBook 820 G3 / HP Probook 430 G8 / HP ProBook 4540s / HP EliteBook 8570P / HP Envy Dv6t-2300 / HP Envy x360 15t / HP 17-cs200 / HP Pavilion - 15-cs3075cl
HP 15-cs0138w Pavilion / HP Notebook 15-dy1032wm / HP 15-dy100 / HP Laptop 17-by053d / HP Pavilion X360 convertible 15-br0xx / HP Pavilion x360 Laptop - 14-dh2011m / HP Envy m7-u109dx / HP 17-by1022cl
HP ENVY 13-ac0044nr / HP 15-dy1085 / HP 15-dy2097r / HP ProBook 440G5 / HP 250 g6 / HP OMEN 15 / HP 17t / HP 260 g8 / HP EliteBook 740 / HP EliteBook 8560s / HP 245 G7 / HP ProBook 6560b / HP Probook 430 G5
HP Victus 15.6 laptop (15-fb0028nr) / HP Pavilion 17 / HP 15 Notebook, 15.6" HD Screen Laptop, Intel Core i3-1115G4, 32GB DDR4 RAM, 1TB SSD, Webcam, HDMI, Wi-Fi, Windows 11 Home, Natural Silver.

Image 5.4: Partial list of incompatible ASUS, Microsoft, MSI, Mac, Google, and Kindle devices.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Hiearcool UCN3610 USB C Hub:

- Cleaning:** Use a soft, dry cloth to clean the hub. Avoid liquid cleaners or abrasive materials.
- Storage:** Store the hub in a cool, dry place away from direct sunlight and extreme temperatures.
- Handling:** Avoid dropping the hub or subjecting it to strong impacts. Do not bend the integrated USB-C cable excessively.
- Temperature:** The hub is designed with an advanced GL823K chip for cooler operation. While it manages heat effectively, avoid covering it during use to allow for proper ventilation.

7. TROUBLESHOOTING

If you encounter issues with your Hiearcool UCN3610 USB C Hub, consider the following:

- No Display Output:**
 - Ensure your host device's USB-C port supports DisplayPort Alternate Mode.
 - Check the HDMI cable connection between the hub and the monitor.
 - Verify the monitor input source is set correctly to HDMI.
 - Try restarting your host device.
- No Network Connection:**
 - Ensure the Ethernet cable is securely connected to both the hub and your router/modem.
 - Check your network settings on your host device.
 - Confirm your router/modem is functioning correctly.
- USB Devices Not Recognized:**
 - Ensure the USB device is properly inserted into the hub's USB 3.0 port.
 - Try connecting the USB device directly to your host device to confirm it's working.
 - Some high-power USB devices may require the hub to be connected to a power source via the PD port.
- Slow Data Transfer:**
 - Ensure you are using USB 3.0 compatible devices and cables for optimal speeds.

- Avoid connecting multiple high-bandwidth devices simultaneously if performance drops.

- **Charging Issues:**

- Ensure your original USB-C power adapter is connected to the hub's PD port.
- Verify your host device supports USB-C Power Delivery.
- The hub itself consumes a small amount of power; the actual power delivered to your device will be slightly less than the input.
- **Hub Overheating:** The hub is designed for stable temperature control. If it feels excessively hot, disconnect it immediately and contact support.

8. SPECIFICATIONS

Feature	Specification
Model Number	UCN3610
Product Dimensions	5.16 x 1.77 x 0.55 inches
Item Weight	3.04 ounces
HDMI Output	4K @ 60Hz
Ethernet Port	10/100/1000 Mbps Gigabit Ethernet
USB 3.0 Ports	3 ports, up to 5 Gbps data transfer
Power Delivery (PD)	Up to 100W (input)
SD/TF Card Slots	Up to 104 Mbps transfer speed
Hardware Interface	Ethernet, HDMI, USB 3.0, USB Type C
Color	Midnight Blue

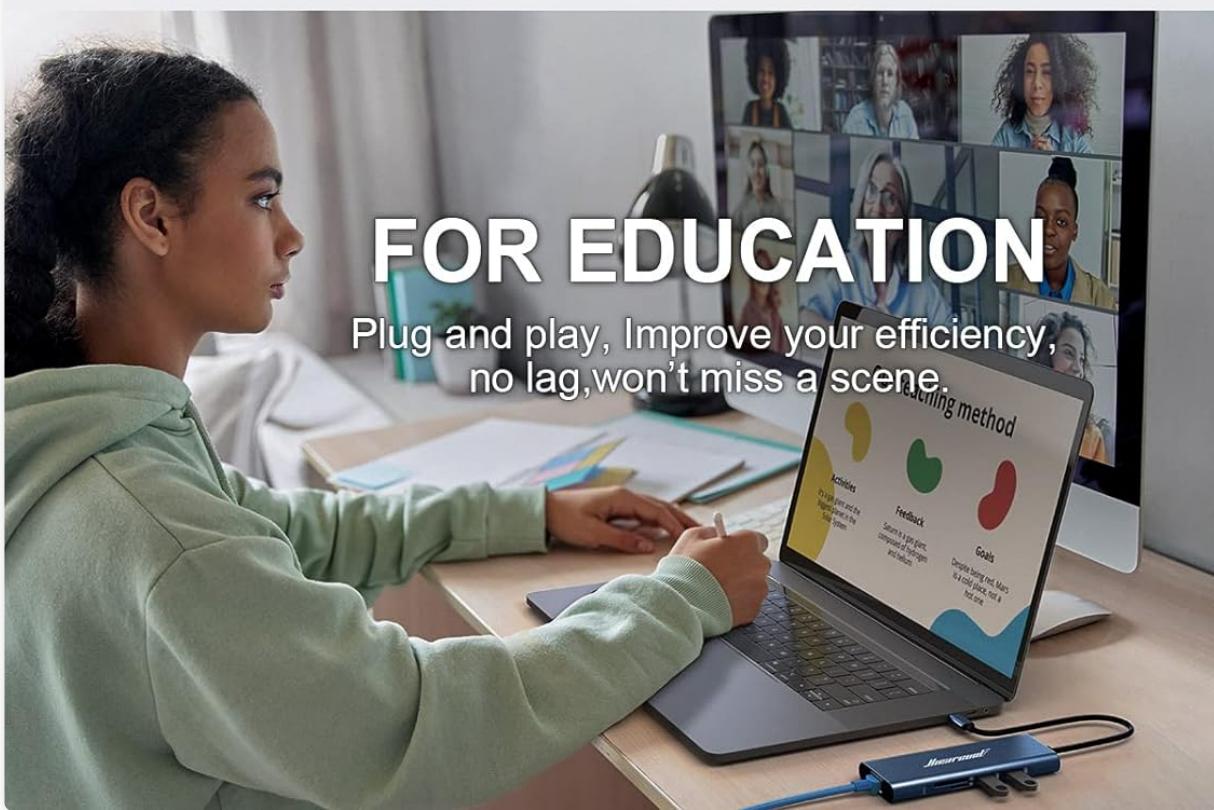
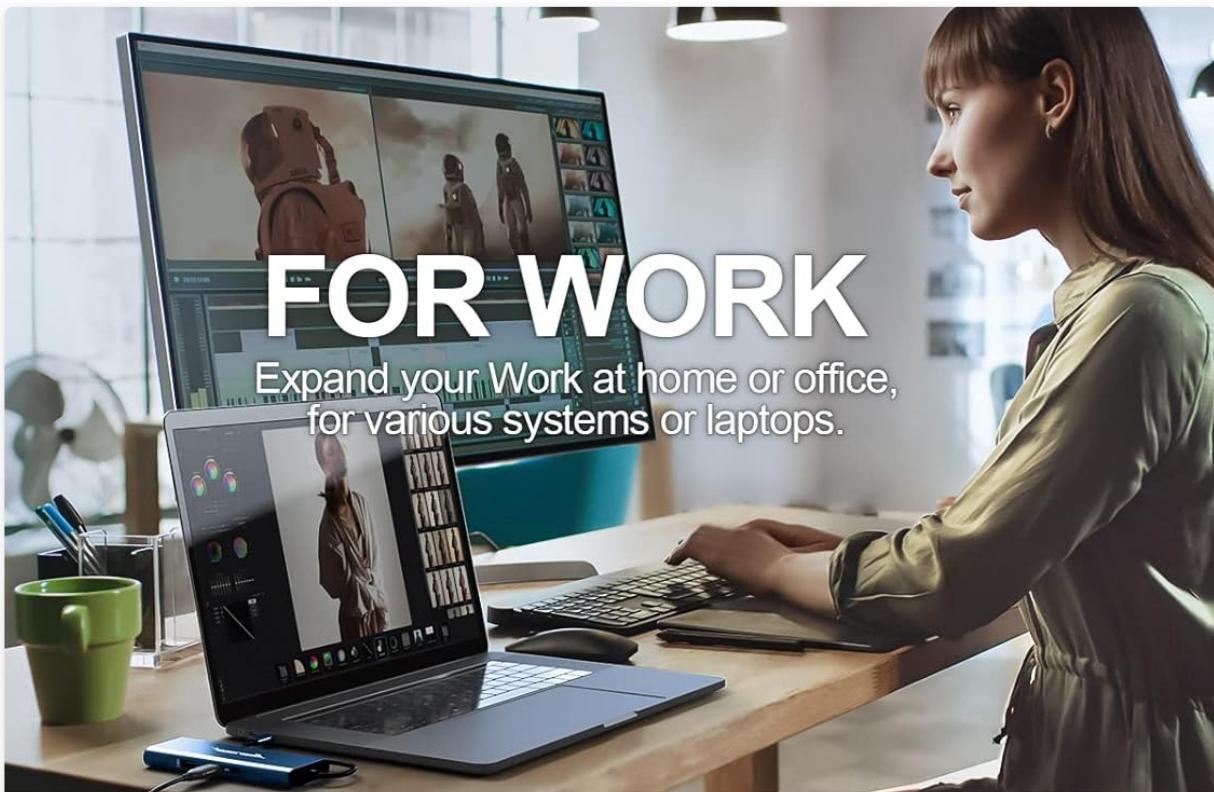


Image 8.1: Physical dimensions and port layout of the hub.

9. WARRANTY AND SUPPORT

Hiearcool is committed to providing quality products and customer satisfaction.

- **Warranty:** This product comes with a two-year product care warranty.
- **Customer Support:** Hiearcool offers 24/7 customer support. For assistance, please contact us via email at Hiearcool@outlook.com.
- **Quality Assurance:** The product is SGS Certified and UL Approved, ensuring compliance with quality standards and rigorous inspection.

- **Transparency Program:** This product is protected by the Transparency program, allowing you to verify its authenticity by scanning the Transparency code with the Transparency app.



Image 9.1: SGS Certification details.

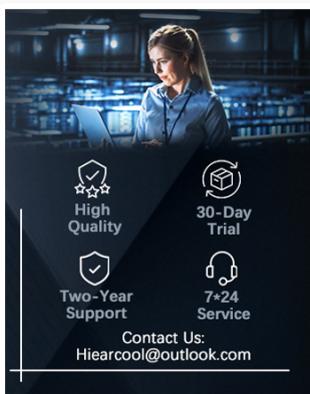


Image 9.2: Support and quality commitments.

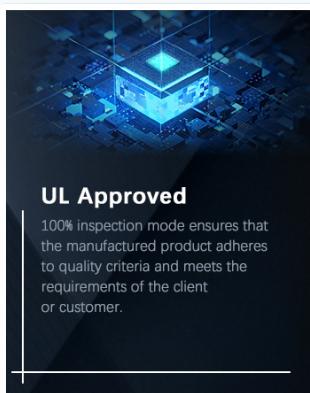


Image 9.3: UL Approval details.



Image 9.4: Transparency Program information.

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