

Hiearcool

Type-C HUB Docking Station
User's Manual

Questions? We're here to help!
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1. Introduction

(a) Features

The Hiearcool Docking Station with Video is a unique expansion unit designed for laptops that have extra connectivity demands.

Just with one USB C port on the laptop, its connection can be extended not only to USB peripherals, Ethernet network, speaker/microphone but also additional monitors.

Enhanced expansion capability plus the stylish appearance, unquestionably this docking station with video, is the most versatile accessory that also complements your home or office space.

One Step solution for triple display provides All features and ports you may need, turn your trusted laptop into a fully-featured machine.



(b) Package Contents

1 x Docking Station
1 x 0.5M/2.0FT C to C Cable
1 x 12V/3A DC Adaptor
1 x User manual

2. Specifications

System	Compatible with the laptop has type c port (DP Alt mode required). Google Chrome OS; Windows7/8/10; XP; Linux; Vista
Hot-swapping supported	Replacing or adding components without stopping or shutting down the system.
Operating voltage	5V ~ 20V
Quiescent current	<480mA
Operating current	450 ~ 2550mA
USB PD Input	5V/9V/14.5V/20V 5A(max), DC adapter input: 12V/3A (max)
Product dimension (With Base)	55(W) x 90(D) x 170(H)mm / 2.165(W) x 3.54(D) x 6.69(H)in
Product Weight	Approximately 380g / 13.40 oz
Thermal Control	≤ 45°C
Storage Temperature	-20°C ~ 80°C
Safety, EMI	FCC, CE
RoHS	RoHS compliant

3. Instructions

(a) Product Instructions



No.	Description	Function
1	SD Slot	2TB Capacity Read and write simultaneously
2	TF Slot	2TB Capacity Read and write simultaneously
3	USB 3.0 Type C	Connect to any type c device data transfer and charging
4	2 USB 3.0 ports	For Data transfer/charging or connection to USB peripherals (iPhone and iPad can not charge when PD port is not connected)
5	2 USB 2.0 ports	For Data transfer/charging or connection to USB peripherals
6	Audio ports	2.1x combination port for speaker and microphone
7	Power LED	Glowes when the docking station is powered.
8	USB-C PD	Power delivery port Up to 100W PD
9	USB-C	For connection to the USB-C ports of the host laptop.
10	HDMI Out Port 1	4K HD 1080P/2160P 30Hz
11	DP Out Port	4K HD 1080P/2160P 30Hz
12	HDMI Out Port 2	4K HD 1080P/2160P 30Hz
13	VGA	2K 1080P/1080P 30Hz
14	Gigabit Ethernet	10/100/1000Mbps for connection to the Ethernet network (a network cable not provided)
15	Power Jack	For connection to the provided power adapter. The Docking station always needs external power supply for operation, it it does not take power from the USB bus.

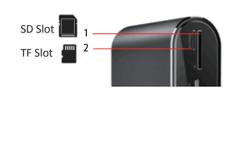
(b) SD/TF Card Reader/hard disk

Connect the docking station to the Type-C Slot of the laptop through the Type C male to male cable, and then insert the USB flash drive or SD card. (The laptop will pop up the USB flash drive or the SD card drive letter) you can copy/delete the files etc...

(c) Connecting Docking Station to laptop

Plug the power cord of the power adaptor into the DC IN jack on the back of the docking station and then connect the power adaptor to a working electrical outlet. The Power indicator on the front panel glows when the docking station is powered on. Connect the laptop to the docking station via type c to c cable(0.8M) the laptop should be charging by then.

Note: Do not unplug the PD port while transferring data; it may cause lost data.



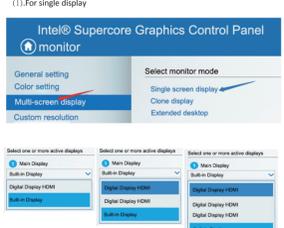
(d) Multi-screen display setup wizard

There are several ways you can utilize the monitor attached on the docking station. The add-on monitor can be configured to use either "mirror mode", "extended mode" or be the primary display as described in this section. Extend Your Windows Desktop to Add-on Monitor (Default) in this so-called "extended mode", your display will be spread over the add-on monitor(s). This mode allows you to perform multiple tasks more effectively without overlapping windows.



- Position the mouse anywhere on your laptop desktop, right-click and select Screen Resolution on Windows® 7, Personalize > Display Settings on Windows Vista® or Properties > Settings on Windows® XP/ Windows® 2000.
- In the Display drop-down menu, select the option with the string "DisplayLink Graphics Adapter".
- Check the Multiple Displays> Extend these displays on Windows® 7, Extend the desktop onto this monitor box on Windows® Vista or Extend my Windows desktop onto this monitor box on Windows® XP/ Windows® 2000.
- Drag the icons in the window at the top of the screen to match the physical arrangement of your primary monitor and add-on monitor. The add-on monitor connected to the docking station may be identified as either "2" or "3", depending on your laptop, although there may not be a total of 3 screens connected.
- Click OK to close the settings screen.

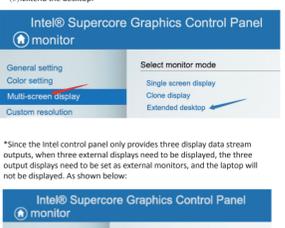
(1). For single display



(2). Mirror display:



(3). Extend the desktop:



*Since the Intel control panel only provides three display data stream outputs, when three external displays need to be displayed, the three output displays need to be set as external monitors, and the laptop will not be displayed. As shown below:



(4). Display three monitors as shown below



*The laptop display will not be displayed. If any external display is unplugged, the laptop will re-detect each display, and sometimes it will need to re-enter the settings panel and re-set it.



(e). About the display resolution:

Matrix list description supports DP1.2 and DP1.4 video source output with the highest resolution

DP1.4 24Bit source MT				
Flow	SRGB 1	SRGB 2	SRGB	SRGB
1	4K/30Hz	X	X	X
2	X	4K/30Hz	X	X
3	X	X	X	1080P
4	4K/30Hz	4K/30Hz	X	X
5	1080P	X	X	1080P
6	X	X	1080P	1080P
7	1080P	X	1080P	1080P

DP1.2 24Bit source MT				
Flow	SRGB 1	SRGB 2	SRGB	SRGB
1	4K/30Hz	X	X	X
2	X	4K/30Hz	X	X
3	X	X	X	1080P
4	4K/30Hz	4K/30Hz	X	X
5	1080P	X	X	1080P
6	X	X	1080P	1080P
7	1080P	X	1080P	1080P

* Note: To ensure a more stable display, please use the same model of the three monitors.

(f). Ethernet Port

The Ethernet port supports Ethernet 10/100/1000 Mbps function. To connect your laptop to a network through the docking station, attach one end of a network cable (not provided) to the Ethernet port on the docking station and the other end to your network hub, switch or router for network access.

(g). Audio Ports

Prior to using the speaker/microphone connected to the docking station, you have to correctly configure your application to use USB (Multimedia) Audio Device, i.e., the audio components of the docking station. When the docking station is connected to your laptop, the audio devices named USB (Multimedia) Audio Device are automatically installed and may override Windows default audio settings. The most obvious effect is that your original music playback will be re-directed to the speaker connected to the docking station. However, it's possible that users may want to use original sound card for music playback and use the docking station's audio ports for chatting via instant messaging software (such as MSN messenger, Yahoo messenger or Skype). In such cases users have to manually configure required audio device for each application.

(h). Configuring Windows Audio Device

To specify a sound device for music playback in Windows, open Control Panel and double-click the sound or audio icon. Then select a desired device in the playback section. If you want to use your original sound card for music playback, make sure to select it instead of USB (Multimedia) Audio Device.

(i). Configuring Instant Messaging Software Audio Device

To chat via instant messaging software using the headphone/microphone connected to the docking station, make sure the instant messaging software, such as MSN messenger, Yahoo messenger or Skype, are configure to use USB (Multimedia) Audio Device

4.Safety Instructions

Always read the safety instructions carefully. Keep this User's Manual for future reference. Keep this equipment away from humidity. If any of the following situation arises, get the equipment checked by a service technician: The equipment has been dropped and damaged. The equipment has obvious sign of breakage. The equipment has not been working well or you cannot get it to work according to the User's Manual.