



Rocstor Premium RD15 USB-C 11-in-1 Tripple Display Docking Station with DP 1.4 Alt Mode



User Manual
Y10P027-S1

Important Safety Notice

WARNING:

Please follow these safety instructions. Failure to do so may result damages or injury. It is normal that the device becomes very warm during use.

Please note that:

Continuous contact with warm surfaces for extended time may cause discomfort or injury. In order to reduce the possibility of overheating or heat-related injuries, always allow needed ventilation around the device and use care when handling it. Avoid instances where your skin is in extended contact with the device when plugged into the host computer. It is not recommended to sleep with the device when plugged into a host computer. Avoid placing the device under a pillow, blanket, or your body when connected to a host computer. If you have a medical condition that affects your ability to detect heat against the body, extra care should be used. Never use the device in locations with water, such as a sink, bathtub, or shower stall. Never connect or disconnect the device with wet hands.

Introduction

Rocstor introduces the 11-in-1 Type-C Triple Display Docking Station featuring DP1.4 Alt mode, providing a comprehensive solution for video, data, power, Ethernet, and audio needs. It features 3 video outputs capable of simultaneous transmission under MST mode, along with 3 USB data ports (2 USB-A 10G, 1 Type-C 10G) for efficient data transfer. Enjoy seamless internet surfing with the Gigabit Ethernet port, and utilize the SD/TF card slot for data transmission. Additionally, indulge in your favorite music through the 3.5mm audio jack. Equipped with a DC power jack offering a maximum power supply of 134W, this docking station is compatible with all DP Alt mode supported Type-C hosts.

Package Contents

Before utilizing this unit, kindly inspect the packaging to ensure the following items are included:

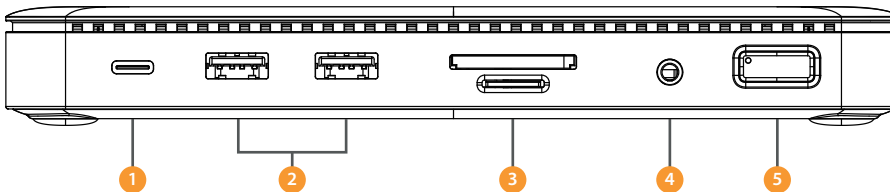
- Main Unit x1
- User Manual x1
- Type-C M/M Cable 1M (10G,5A) x1
- DC Power 134W x1
- AC Power Cable x1

Features

- Designed to accommodate DP Alt mode supported Type-C and Thunderbolt hosts such as PCs, laptops, and mobile phones.
- Supports DP1.4 Alt mode.
- Among all video ports, supports a maximum of 4K/60Hz for one port, dual 4K/30Hz simultaneously under MST, or a maximum of 4K/30Hz + 1080P/60Hz x2 simultaneously under MST.
- DP and HDMI support HDR.
- DisplayPort supports DP++, enabling connection of a passive DP to HDMI port for HDMI display.
- Supports Gigabit Ethernet.
- 3 USB ports support USB 3.2 Gen2 with a maximum data transfer rate of 10Gbps.
- SD and TF card slots both support SD3.0 with a maximum speed of 104MBps, and two card slots can work simultaneously.
- 3.5mm Audio Jack supports digital audio with a maximum sampling rate of 96KHz/24bit.
- Provides a maximum power supply of 134W from the DC Adapter, with the host capable of receiving power up to a maximum of 100W.

Panel Description

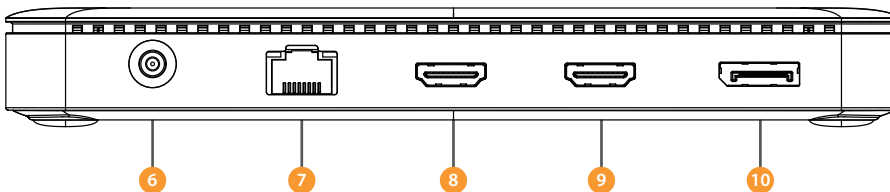
Front Panel



- 1 USB-C Gen2 10G
- 2 USB-A Gen2 10G
- 3 SD/TF 3.0 (Max 104Mbps)

- 4 3.5mm Audio Jack 96KHz
- 5 LED / Power Switch

Back Panel

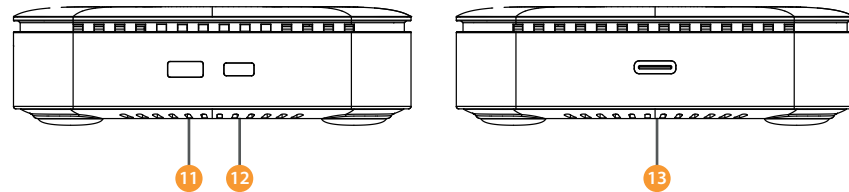


- 6 134W Power Supply
- 7 RJ45 Gigabit Ethernet
- 8 Stream1: HDMI1 (4K/60Hz)

- 9 Stream2: HDMI2 (4K/60Hz)
- 10 Stream3: DP1 (4K/60Hz)

Panel Description

Side Panels



- 11 Kensington Anti-Theft Lock
- 12 Standard Nano Anti-Theft Lock

- 13 Type-C (to host)

Specifications

Input/Output Connector	
Upstream	USB-C Female (Connect to Type-C Host) x1
Downstream	HDMI (4K60Hz) x2
	DP (4K60Hz) x1
	USB-C Gen 2 10G x1
	USB-A Gen 2 10G x2
	SD 3.0 x1
	TF 3.0 x1
	3.5mm Audio Jack (96KHz) x1
	RJ45 (1G) x1
	DC Jack (134W) x1
Mechanical	
Size (L-W-H)	7x3.1x0.8in - (180x80x22.5mm)
Weight (Net)	9.9lbs - (282g)
Warranty	
Limited Warranty	3 Years
Environmental	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Storage Humidity	5% to 90 % RH (no condensation)
Regulatory Approvals	
Certifications	Thunderbolt, FCC, CE
Power	
DC Jack (power in)	Max 134W input
Accessories	
User Manual	English Version

Port Specs

Type-C Female X1(to host)

- Supports DP1.4 Alt mode
- Supports reversible connection
- Supports max 10Gbps data transmission and max 4K/60Hz video transmission simultaneously
- Note: When the charger is not connected to the product, the product will not work*

Type-C 10G X1

- Max 10Gbps data transmission
- Supports max 1.5A downstream charging
- Supports short-circuit, over-current protection

USB-A 10G X2

- Max 10Gbps per port per port
- The port(close to Type-C) supports max 5V/1.5A downstream charging, another port supports max 900mA downstream charging.
- Supports short-circuit, over-current protection

SD 3.0 X1;TF 3.0 X1

- SD supports SD3.0 with max 104MBps data transfer
- TF supports SD3.0 with max 104MBps data transfer
- 2 card slots can work simultaneously

RJ45 X1

- Supports Gigabit Ethernet,10M/100M/1000M
- Supports Wake-On-LAN
- Supports full duplex flow control
- Light indicates the state, no light when no Internet connected, orange light turns on when network connection is established, green light flashes when transmitting data.

Video Ports:

- Among all video ports, support max 4K/60Hz for one port, max dual 4K/30Hz simultaneously under MST or max 4K/30Hz+1080P/60Hzx2 simultaneously under MST

- Note:*
- It requires computer system to support Multiple Stream Transport (MST) to deliver up to 3 extended video output.
 - The below resolution combination is for reference, the actual video output resolution depends on the connected host and displays
 - When connected to some hosts that support both DP1.4 and DSC at the same time, the DOCK would display different images up to 4K/60Hzx2+4K/30Hz simultaneously

Stream1 & Stream2: HDMI X2

- Supports max 4096x2160P/60Hz video output
- Supports High Dynamic Range(HDR)
- Supports multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0
- Supports 8/10/12 bit Color depth
- Supports HDCP2.2 and HDCP1.4

Stream3: DisplayPort

- Supports DP++
- Supports max 3840x2160P/60Hz video output
- Supports High Dynamic Range(HDR)
- Supports multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0
- Supports 8/10/12 bit Color depth
- Supports HDCP2.2 and HDCP1.4

Port Specs

3.5mm Audio Port X1

- DAC supports 44.1/48/96KHz Sample Rate, 16/24-bit
- ADC input supports 44.1/48KHz Sample Rate, 16bit
- Supports CTIA & OMTP auto detection

134W DC Jack X1

- Support max DC 134W power in, the product itself consumes 34W, max 100W bypass to the host.
- Note: When the DC Power is not connected, the product will not work*

Kensington Anti-Theft Lock X1 Nano Security Lock x1

- Kensington slot size: 7*3mm
- Nano slot size: 6*2.5mm
- Connect the corresponding cable lock (self-provided) to fix the Dock in a certain position to guarantee the safety of it

Power Switch & Power indicator LED

- When the product is connected with DC adapter, the indicator is steady blue, and the product is turn on by default.
- When the Switch is pressed, the indicator light will be turned off. At this time, the product is in standby state, and the product will not work when connected to external equipment. If the external device needs to work again, press the Switch again.

Connection Diagram (Front Panel)



Connection Diagram (Back Panel)



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