Rocstor®

User Manual

Type-C 10-in-1 Dual Displays Portable Dock with Type-C Video

Y10A323-S1

Congratulations

Thank you for purchasing this premium Rocstor product. For optimum performance and safety, please read these instructions carefully before connecting, operating or using this product. Please keep this manual for future reference.

Features

Upstream:

USB Type-C Male (Connect to host)
- Supports DP1.4 Alt mode with max 16.2Gbps bandwidth video transmission
- Supports USB3.2 10Gbps data transmission
- Supports reversible connection
- Compatible with lower versions like DP1.2 Alt mode, USB3.0 and USB2.0

Downstream:

Type-C Video& Data X1

Connect to display/USB device, close to HDMI
- Supports max 8K/30Hz video output or max 10Gbps USB data transmission
- Supports High Dynamic Range(HDR)
- Supports multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0; 8/10/12 bpc
- Supports HDCP2.3&1.4
- Supports reversible connection
- Supports short-circuit, over-current protection
- Compatible with lower versions like DP1.2 Alt mode,USB3.0 and USB2.0

USB-A 10G X2 (close to Type-c)
- Max 10Gbps data transmission per port
- The port (lose to USB-A 5G) supports max 7.5W(5V/1.5A), another port supports max 900A downstream charging
- Supports short-circuit, over-current protection

USB-A 5G X1 (close to SD/TF)
- Max 5Gbps data transmission
- Max 900A downstream charging
- Supports short-circuit, over-current protection
- All USB ports for connecting devices (including USB-A and USB-C) share max 12W(5V/2.4A)

HDMI X1
- Supports max 8K/30Hz video output
- Supports High Dynamic Range(HDR)
- Supports multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0;8/10/12bpc
- Supports HDCP2.3&1.4
- Supports Dual 4K/30Hz simultaneously under MST mode
- Supports Dual 4K/60Hz simultaneously under SST mode
- **Note:** The actual output resolution of the product is determined by the host and the display together. The product worked on some hosts that support DP1.4&DSC can output dual 4K/60Hz simultaneously with different pictures

SD/TF4.0 X1
- Supports UHS-II up to 312MBps data rate
- Allow 2 card slots to work simultaneously
- Supports Push to Eject function

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, yellow light flashes when transmitting data

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
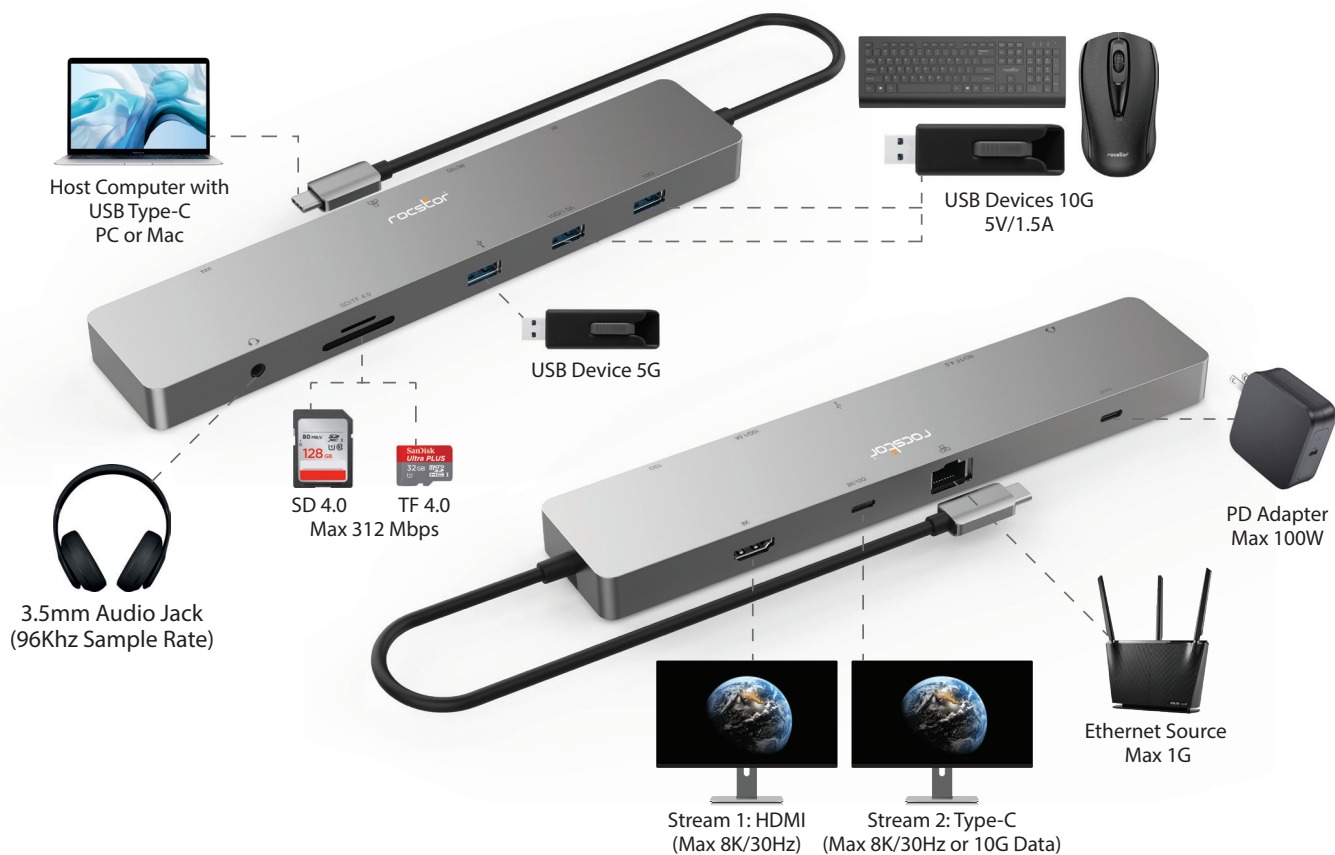- Supports voice adjustment function when connected to original headset

Type-C PD Charging X1
- Supports PD3.0 with max 100W PD charging, max 85W PD charging for PC (15W is dedicated to the functioning of this product)
- Support fast role swap of PD3.0, the connected device will not get disconnected while plugging out PD Adapter

Introduction

Rocstor introduces our versatile Type-C 6-in-1 Portable Dock, featuring an array of essential ports to expand your connectivity options. Designed with HDMI, Type-C Video & 10G port, 2 USB-A 10G ports, Gigabit Ethernet, and a Type-C PD charging female port for your device, this dock is tailor-made for Type-C or Thunderbolt hosts like PCs, laptops, and mobile phones—especially those with a single Type-C port. Equipped with a DP1.4 Alt mode supported IC, this hub can deliver impressive performance, enabling maximum single 8K/30Hz output or dual different videos at 4K/30Hz each. Additionally, the Type-C Video port supports USB 3.2 data transfer with speeds of up to 10Gbps. With two USB-A and the Type-C Video ports, you can connect up to three USB devices simultaneously, enhancing your productivity and convenience. The Gigabit Ethernet port ensures seamless internet connectivity for browsing and networking needs. Moreover, the Type-C PD Charging port supports rapid charging with a maximum power delivery of 100W, ensuring your devices stay powered up whenever you need them. Compatible with all DP Alt mode supported Type-C hosts, this portable dock offers a comprehensive solution for your connectivity requirements.

Package Contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the packaging:

- Main Unit x1
- User Manual

Specification

Input / Output Connector	
Input	Type-C Male x1
Output	Type-C Video & Data (8K&10G) x1
	HDMI (8K) x1
	USB-A (10G) x2
	USB-A (5G) x1
	SD/TF4.0 (312MBps) x1
	RJ45 (1G) x1
	3.5mm Audio port (96KHz) x1
	Type-C PD Charging (100W) x1
Physical	
Weight	6.5lbs - (187g)
Size	8.6x1.7x0.6in - (220x43.5x16mm)
	SR/SR: 6.6in - (170mm)
Warranty	
Limited Warranty	3 Years
Environmental	
Operating Temperature	0℃ to 45℃ (32°F to 113°F)
Operating Humidity	10% to 90% RH (no condensation)
Storage Temperature	-10℃ to 70℃ (14°F to 158°F)
Storage Humidity	10% to 90 % RH (no condensation)
Power Supply	
Type-C PD Charging	Max 100W
Regulatory Approvals	
Certifications	FCC, CE
Accessory Adapter	
User Manual	English Version

Host Computer with
USB Type-C
PC or Mac

USB Devices 10G
5V/1.5A

USB Device 5G

SD 4.0   TF 4.0
Max 312 Mbps

3.5mm Audio Jack
(96Khz Sample Rate)

PD Adapter
Max 100W

Ethernet Source
Max 1G

Stream 1: HDMI   Stream 2: Type-C
(Max 8K/30Hz)   (Max 8K/30Hz or 10G Data)

Support

Technical support is available to all the registered users of Rocstor products.

Technical Support / RMA
Hours: 9:00 am - 5:00 pm PST
Monday to Friday (except holidays)

Tell: +1 (818) 727-7000 (National and international)
Fax: +1 (818) 875-0002
Email: support@rocstor.com

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⚠ Safety Information:

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.

Warranty Information

Warranty Information
This product is backed by a (3) three-year warranty. Rocstor warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. Rocstor does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

Limitation of Liability
In no event shall the liability of Rocstor, Inc. and Rocstor (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.