rocstor®

User Manual

Type-C to HDMI/USB-A 10GX2/Type-C 10G data/SD/TF/ PD Charging with DP1.4 Alt mode

Y10A320-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.

Upstream:

USB Type-C Male (Connect to a host computer)

• Supports DP1.4 Alt mode,downward compatible with DP1.2 Alt mode
• Supports USB3.0/2.0 data transmission (transfer speed: Max 10Gbps)
• Supports transmission of DP Alt Mode video up to 4K/60Hz Simultaneously

Note: To get max bandwidth, the host should support DP1.4 Alt mode & DSC

Downstream:

HDMI X1

• Supports HDMI max 4K/60Hz
• Supports 8/10/12 bit color depth output
• Supports output pixel format RGB/YCbCr4:4:4/YCbCr4:2:2/YCbCr4:2:0
• Supports dynamic HDR10+
• Supports HDCP2.3 & HDCP1.4

Note: The actual resolution supported is determined by the host and the display.

Type-C Data 10G X1 (Close to HDMI)

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

USB-A X2

• Max 10Gbps data transmission per port
• Supports max 7.5W(5V/1.5A) downstream charging the port close to Type-C male port, another port supports max 900mA downstream charging.
• 2 USB-A port share max 12 W(5V/2.4A), the 2 USB-A port and the Type-C data port share max 13W(5V/2.6A)
• Supports short-circuit, over-current, over-voltage protection

SD/Micro SD 3.0 X1

• Supports SD3.0 data transmission up to 104MBps
• Allow 2 card slots to work simultaneously
• TF card slot with self-ejecting mechanism by pressing

Type-C Female X1 (for PD Charging & Data)

• Supports max 100W PD charging
• Supports PD3.0 Fast Role Swap, the connected device will not get disconnected while plugging out PD Adapter
• 15W is dedicated to the functioning of this product, the rest power (max 85W) will be passed to charge for the host

Introduction

Rocstor introduces the Type-C 7-in-1 hub with HDMI, 2 USB-A ports, Type-C data, SD/TF card slots, and a Type-C PD charging port—a versatile solution for expanding the port options of Type-C or Thunderbolt hosts (PC/Laptop/Mobile phone, etc.), particularly suited for devices with a single Type-C port. This hub facilitates HDMI video output at a maximum resolution of 4k/60Hz while concurrently transferring USB 3.1 Gen2 data at a maximum speed of 10Gbps. With 2 USB-A ports and a Type-C data port, you can connect up to 3 USB devices simultaneously. The SD/Micro SD card slots accommodate the simultaneous insertion of 2 cards, enabling data transmission or reading/writing information on the host. Additionally, the Type-C female port supports PD 3.0 with a maximum power delivery of 100W PD Charging. Compatible with all DP Alt mode supported Type-C hosts, this hub ensures seamless compatibility and enhanced functionality.

Package Contents

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

• Main Unit x1
• User Manual

Specification

Input / Output Connector	
Input	Type-C Male x1
Output	HDMI Female x1
	USB-A 10G x2
	Type-C 10G data x1
	SD/Micro SD 3.0 x1
	Type-C PD Charging x1
Mechanical	
Weight	3.4lbs - (99g)
Size	4.5x1.9x0.5in - (115x50x14mm)
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	FCC, CE
Accessory Adapter	
User Manual	English Version

Connection Diagram

PD Adapter
Max 100W

USB Devices
Max 10Gbps

HDMI Display
Max 4K/60Hz

Micro SD 3.0

SD Card 3.0

Host Computer with
USB Type-C

USB Devices
Max 10Gbps (5V/1.5A)

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

⚠ Safety Information:

WARNING:
Please follow these safety instructions. Failure to do so may result damages or injury.
It is normal that the device adapter 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.

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Warranty Information

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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.