USER MANUAL
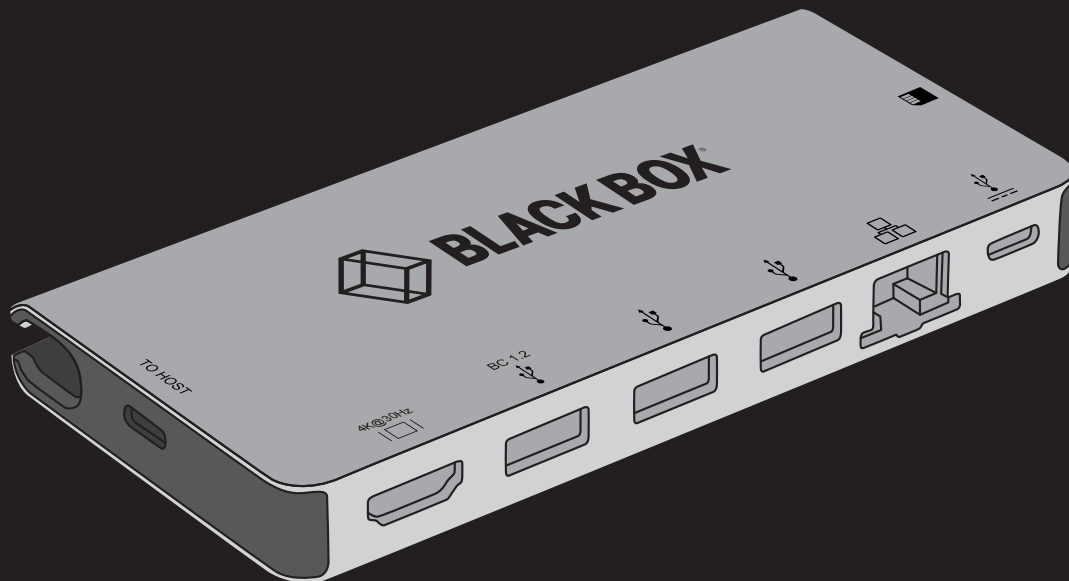
USBC2000-R2

USB C DOCKING STATION

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM

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TABLE OF CONTENTS

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CHAPTER 1: SPECIFICATIONS

TABLE 1-1. SPECIFICATIONS

SPECIFICATION	DESCRIPTION
Connectors	
Input Connectors	(1) USB-C Female (with our Type-C M to M cable)
Output Connectors	(3) USB 3.0 Female; (1) USB-C Female (for data or charging); (1) RJ-45; (1) HDMI Female; (1) Micro SDX; (1) SD/MMCX
Environmental	
Operating Temperature	32 to 113° F (0 to 45° C)
Storage Temperature	+14 to +158° F (-10 to +70° C)
Operating Humidity	10 to 85% RH (no condensation)
Storage Humidity	5 to 90% RH (no condensation)
Regulatory Approvals	
Certifications	FCC, CE CAN ICES-3(B)/NMB-3(B)
Power	
Type-C PD Charging	USB-C Female Port, Up to 100 W (20 V/5 A) (max 85W for host)

2.1 INTRODUCTION

This is a USB-C to three USB 3.0, HDMI, RJ-45, Micro SD, SD/MMC, Type-C Data and PD Charging Adapter. The USB 3.0 port allows you to connect a USB device to the host USB-C computer. The USB-C female port supports both PD Charging and data; the Gigabit Ethernet port allows the host computer to get access to the network; the HDMI port allows you to connect an HDMI monitor so that you can watch videos on a big screen; and the Micro SD and SD/MMC port allows you to read data in the memory card on the host PC. It can work on all PCs, tablets, and mobile phones that support DP1.4 Alt Mode. This docking station is compatible with Thunderbolt 3 or above.

2.2 FEATURES

- Interface:

  (1) Type-C Female (connect to Type-C host PC with our equipped Type-C M to M cable)

  (1) Type-C Female (for data and PD Charging)

  (3) USB-A Female

  (1) HDMI Female

  (1) RJ-45

  (1) SD slot

  (1) Micro SD slot

- Supports USB 3.0 super speed (5 Gbps) transmission, backwards-compatible with USB 2.0

- One of the three USB-A ports supports BC 1.2, the power of this port can be up to 7.5W (5V/1.5A)

- Supports 10/100/1000Mbps bandwidth for the RJ-45 port

- Supports HDMI resolution up to 4K @ 60Hz, HDR, and HDR10+

- Type-C female port supports data (5 Gbps) or PD Charging 100W (20 V / 5 A) (max 85W for host)

- Multiple USB-C interfaces support plug and play, hot swap

- Supports Secure Digital v3.0 UHS-I (Ultra High Speed): SDR12 (12.5 Mbyte/s)/SDR25 (25 Mbyte/s)/SDR50 (50 Mbyte/s)/DDR50 (50 Mbyte/s)/ SDR104 (104 Mbyte/s)

- Allows SD and Micro SD card to work at the same time

- Supports Fast Role Swap of PD 3.0, the connected device will not get disconnected when plugging in and out PD Adapter

- Easy to use and carry

- Supports MAC Address pass through and Wake-On-LAN

NOTE: Description of the Detached Type-C M to M Cable

1. It is a USB 3.1 Type-C Gen2 Full-featured cable with speeds up to 10 Gbps; E-marked IC and Vbus current capability up to 5 Amp

2. This product only functions well with the Black Box equipped Type-C M to M cable or cable produced by Black Box that has the same spec as the original one. To guarantee the proper functioning of this product, if you lose the equipped cable, contact Black Box Technical Support at 877-877-2269 or info@blackbox.com to buy another cable of the same spec. Avoid using cables produced by other manufacturers.

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2.3 WHAT'S INCLUDED

Your package should include the following items. If anything is missing or damaged, contact Black Box Technical Support at 877-877-2269 or info@blackbox.com

- (1) Main unit
- (1) Type-C M to M cable (stores inside the main unit)

2.4 HARDWARE DESCRIPTION

Figures 2-1 through 2-4 show the front, back, and sides of the unit. Tables 2-1 through 2-4 describe its components.
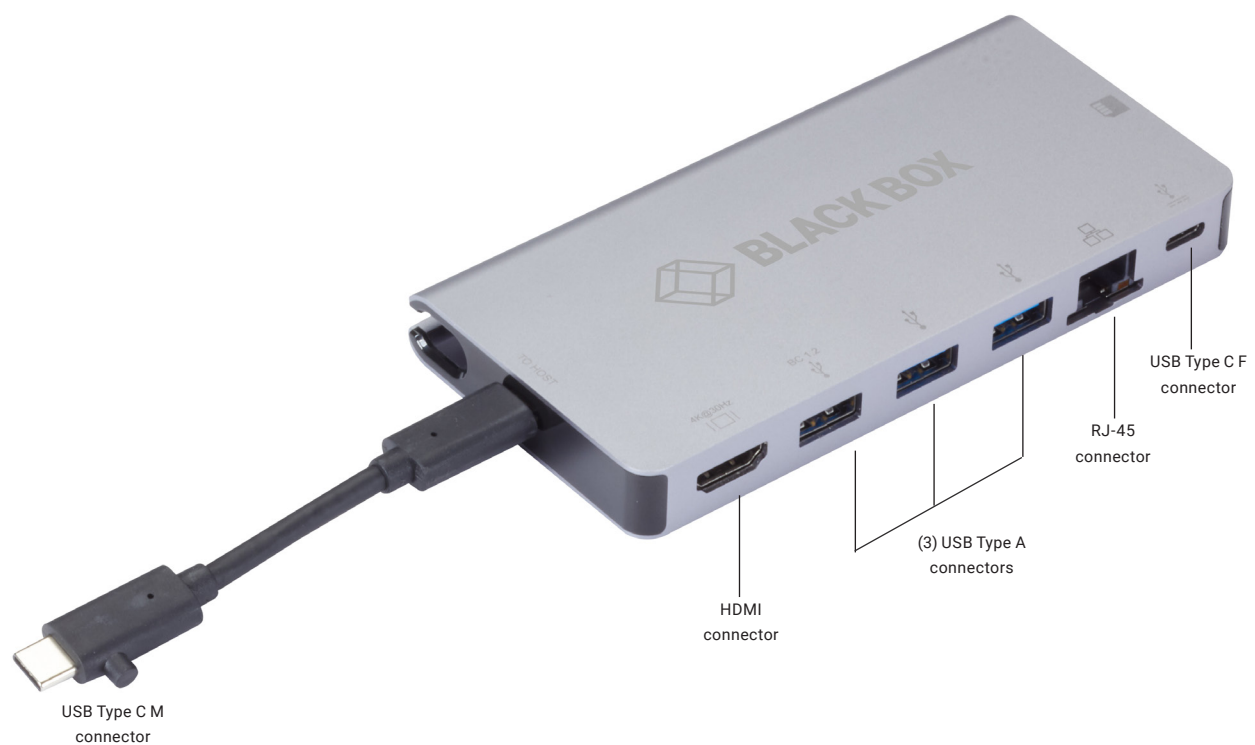

USB Type C M
connector

HDMI
connector

(3) USB Type A
connectors

RJ-45
connector

USB Type C F
connector

FIGURE 2-1. FRONT OF UNIT

TABLE 2-1. FRONT PANEL COMPONENTS

COMPONENT	DESCRIPTION
USB Type C male connector	Connects to MacBook or Chromebook computer
HDMI connector	Connects to HDMI display, 4K @ 60 Hz, HDR, and HDR10+
(3) USB Type A connectors	Connect to USB 3.0/2.0 devices
RJ-45 connector	Connects to Ethernet network
USB Type C female connector	Connects to USB Type C device or Type C PD adapter

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USB Type C M
cable storage

FIGURE 2-2. BACK OF UNIT

TABLE 2-2. BACK PANEL COMPONENTS

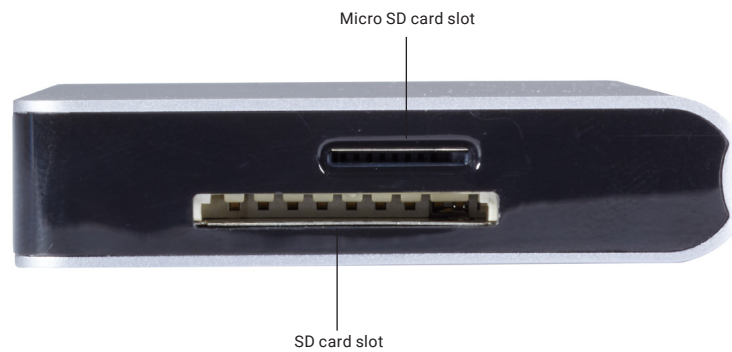| COMPONENT	DESCRIPTION
USB-C cable storage slot	This is where the cable is stored. It would be removed from here and be plugged into the USB -C port labeled Host.

Micro SD card slot

SD card slot

FIGURE 2-3. SIDE 1 OF UNIT

TABLE 2-3. SIDE 1 PANEL COMPONENTS

COMPONENT	DESCRIPTION
Micro SD card slot	Insert Micro SD card here
SD card slot	Insert SD card here

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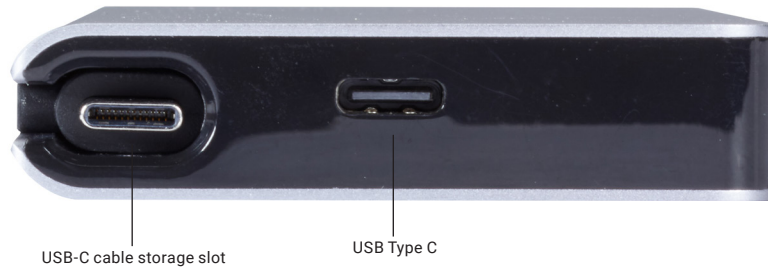
FIGURE 2-4. SIDE 2 OF UNIT

TABLE 2-4. SIDE 2 PANEL COMPONENTS

COMPONENT	DESCRIPTION
USB-C cable storage slot	This is where you store the supplied USB-C cable when not in use
USB Type C connector	Connects to host computer

1. Connect the USB-C Female port of the USB C Docking Station to a Macbook or Chromebook or other USB-C host with the included Type-C M to M cable.

2. Connect the three USB 3.0 outputs of the USB C Docking Station to three USB 3.0/2.0 devices.

3. Connect HDMI output of the USB C Docking Station to monitor with one HDMI cable.

4. Connect the Gigabit Ethernet port of the USB C Docking Station to an Ethernet Router with an Ethernet cable.

5. Automatically or manually set the IP address of the computer.

6. Insert a Micro SD, SD/MMC card into the responding slots.

7.Connect a Type-C PD charging adapter to the USB-C charging port. It can charge the host computer (85W) and support power for the Docking Station (15W) simultaneously.

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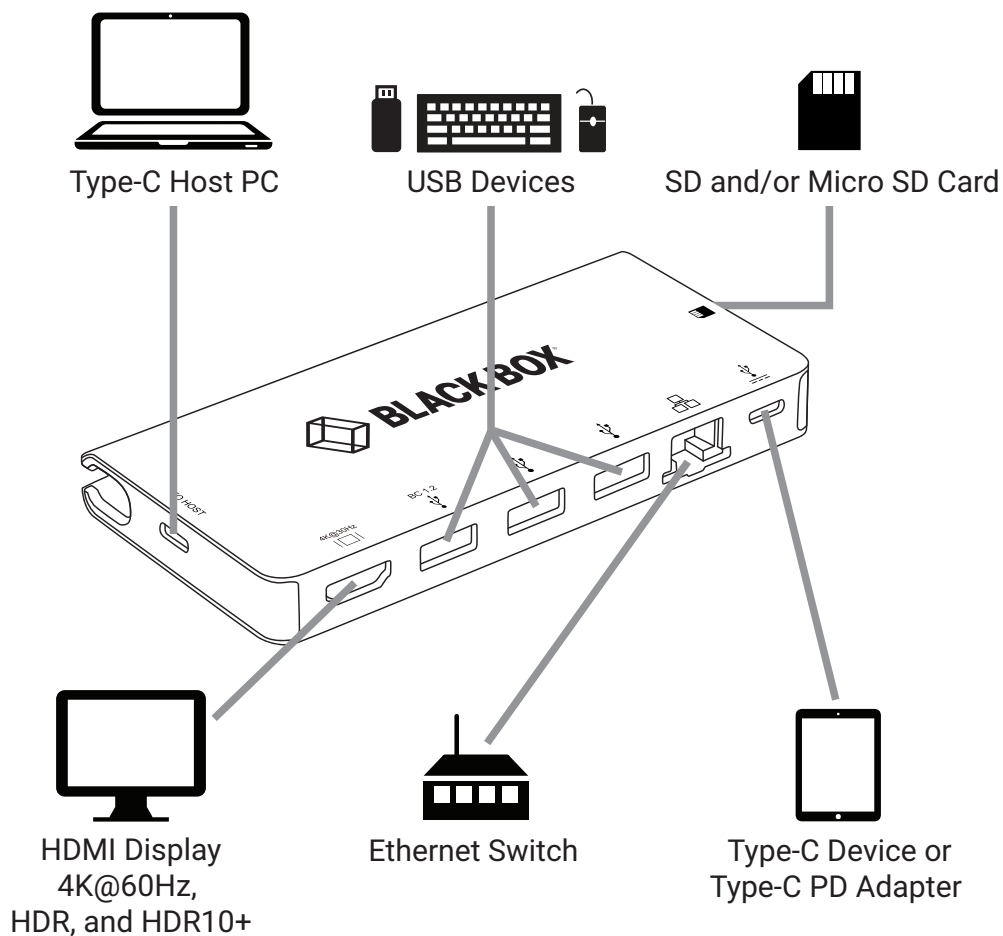**LIVE 24/7**
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FIGURE 4-1. CONNECTION DIAGRAM

Type-C Host PC

USB Devices

SD and/or Micro SD Card

HDMI Display
4K@60Hz,
HDR, and HDR10+

Ethernet Switch

Type-C Device or
Type-C PD Adapter

APPENDIX A: DISCLAIMER/TRADEMARKS

A.1 DISCLAIMER

Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

A.2 TRADEMARKS USED IN THIS MANUAL

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NOTES

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