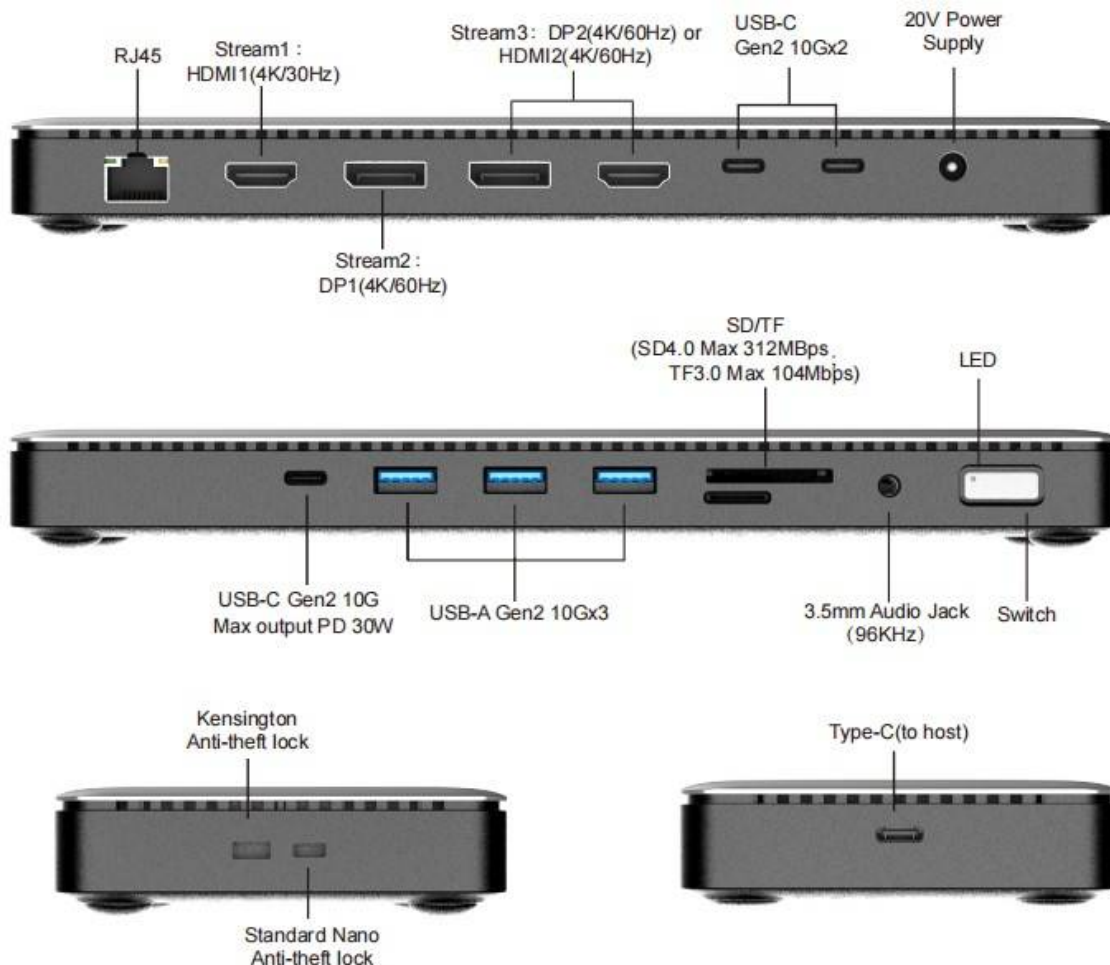
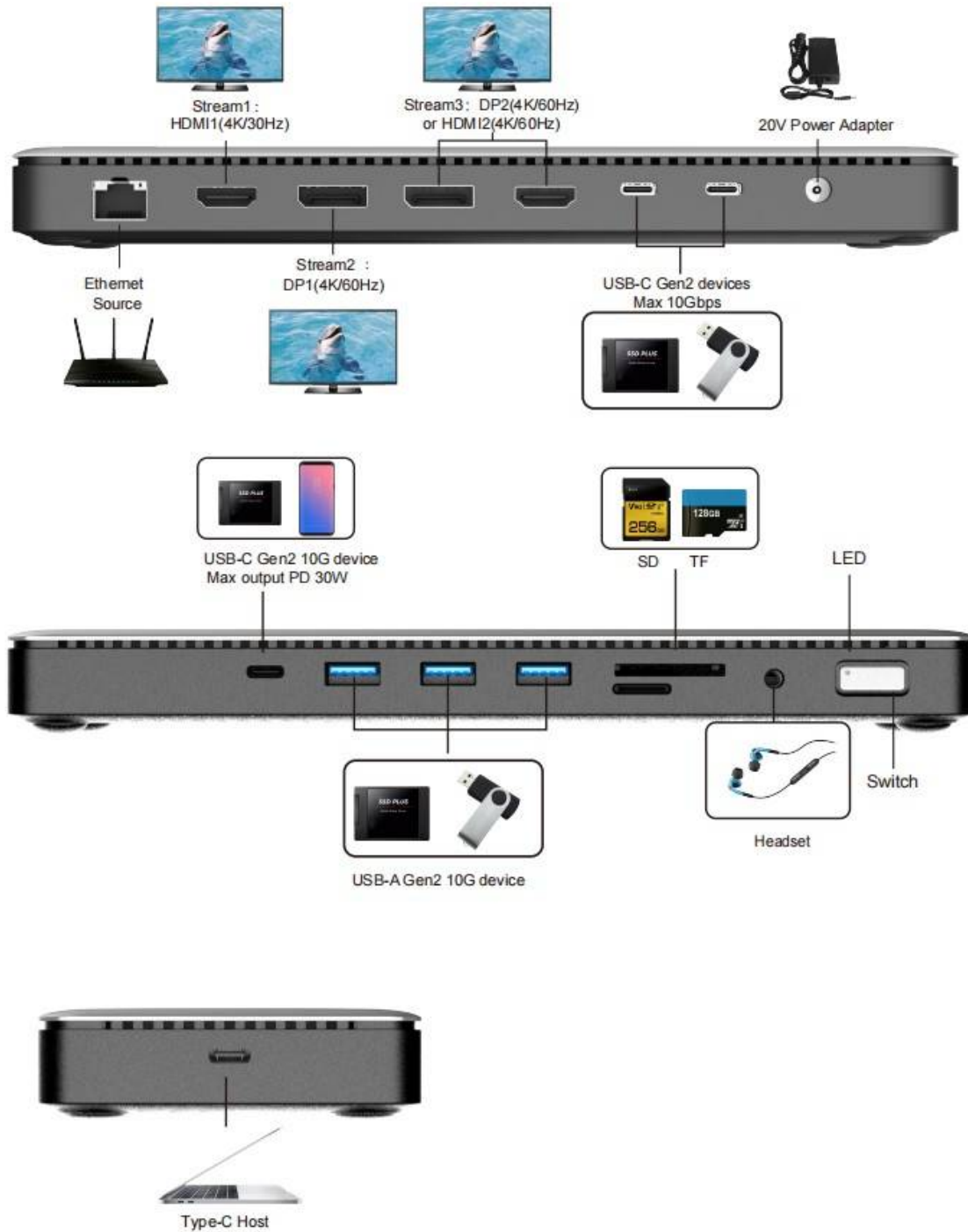


## Welcome Guide

QZ USB-C Hub, 15 in 1 USB-C Dock with Triple Display max 4K/60Hz, HDMI, DisplayPort, USB 10 Gbps, USB-C 10 Gbps, Power Delivery 30W, SD/micro SD (TF) Card Reader, Ethernet, Audio 3.5 mm, 20V 150W DC power supply included, Compatible ONLY with DP-Alt Mode featuring USB-C based PC, Laptop and Phones

QZ-HB71





## Introduction

QZ offers the most powerful, efficient, and versatile I/O solution for video, data, power, Ethernet and audio. Take your productivity to the next level by splitting your work across three external monitors. Supports single 4K/60Hz, dual 4K/60Hz or triple 4K/30Hz x 2 + 1080p in MST mode.

The QZ dock is externally powered by a 20V 150W DC power supply adapter (included in the package) to ensure adequate power to the dock and to the host for uncompromised video quality and uninterrupted operation. The DC power adapter supply max 96W for host or max 140W for host and Dock. The dock supports smart power function which enables distribution of power according to the consumption of the connected devices, making full use of the external power supply.

3 USB ports and 3 USB C ports support max 10 Gbps data transmission, a USB C port among them (adjacent to USB A port) supports Power Delivery max 30W charging for phones. SD4.0/micro SD (TF) 3.0 card readers with max 312 MBps/104 Mbps, support 2 card slots to work simultaneously; Ethernet RJ45 with max 1000 Mbps; 3.5mm Audio JACK support Stereo output and microphone input.

It is designed for DP-Alt Mode featuring USB-C based PC, Laptop and Phones.

Note:

Not all USB C devices can video-out. Confirm your device's USB-C port for DP Alt Mode. Only DP Alt Mode enabled Type C devices can video-out.

Video capabilities are dependent on the host. In Mac systems, dual display is only supported on M1 Pro/Max, M2 Pro/Max, and M3 Pro/Max systems. Base model M1, M2, and M3 systems will only support one extended display.

## Package Content

QZ Computer USB-C 15-Port Hub  
DC Power Adapter 150W  
USB-C Cable 1 meter

## Features

- Triple Display: Take your productivity to the next level by splitting your work across three external monitors. Supports single 4K/60Hz, dual 4K/60Hz or triple 4K/30Hz x 2 + 1080p in MST mode. Compatible with DP-Alt Mode featuring USB-C based PC, Laptop and Phones.
- Stream 1 (adjacent to RJ45) – HDMI 4K/30Hz. Stream 2 (closer to RJ45) – DP 4K/60Hz. Stream 3 (adjacent to USB C) – HDMI or DP max 4K/60Hz. The host must support Multiple Stream Transport (MST) to deliver 3 video streams simultaneously. Video capabilities are dependent on the host.
- All in one. Feel like, there is nothing beyond this for a USB-C host. USB x 3 ports and USB-C x 3 ports support max 10 Gbps transfer speed. A USB C port among them (adjacent to USB A port) support Power Delivery max 30W charging for phones. The dock also features SD4.0/micro SD (TF) 3.0 card readers with max 312 MBps/104 Mbps, support 2 card slots to work simultaneously; Ethernet RJ45 with max 1000 Mbps; 3.5mm Audio JACK support Stereo output and microphone input.
- The QZ dock is externally powered by a 20V 150W DC power supply adapter (included in the package) to ensure adequate power to the dock and to the host for uncompromised video quality and uninterrupted operation.
- The DC power adapter supply max 96W for host or max 140W for host and Dock. The dock supports smart power function which enables distribution of power according to the consumption of the connected devices, making full use of the external power supply.

## Specifications

<b>Upstream</b>	USB-C Female (to Host) x1
<b>Downstream</b>	HDMI x2 DP x2 USB-C Gen 2 10G x3 (One support PD3.0 with max 30W output) USB-A Gen 2 10G x3 SD 4.0 x1 Micro SD (TF) 3.0 x1 3.5mm Audio Jack x1 RJ45 x1 DC Jack x1
<b>Type-C Female (to host)</b>	
* Support DP1.4 Alt mode	

- \* Support positive and negative connection
- \* Support max 10Gbps data transmission and max 4K/60Hz video transmission simultaneously

#### **Stream1 : HDMI (adjacent to RJ45)**

- \* Support max 3840x2160P/30Hz video output on windows PCs or max 3840x2160P/60Hz on Macbook
- \* Support High Dynamic Range(HDR)
- \* Support multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0
- \* Support 8/10/12 bit Color depth. Support HDCP2.3 and HDCP1.4
- \* Does not support DSC Transport & Decode. Limited by bandwidth, the maximum output resolution is up to 4K/30Hz under MST mode.

#### **Stream 2 : Displayport (closer to RJ45)**

- \* Support max 3840x2160P/60Hz
- \* Support High Dynamic Range(HDR), DP++, DPCD1.4
- \* Support multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0
- \* Support 8/10/12 bit Color depth,

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

#### **Stream 3: HDMI or Displayport (adjacent to USB C port)**

##### **HDMI:**

- \* Support max 4096x2160P/60Hz video output
- \* Support High Dynamic Range(HDR), HDCP2.3 and HDCP1.4, 8/10/12 bit Color depth
- \* Support multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0

##### **Displayport:**

- \* Support max 3840x2160P/60Hz video output
- \* Support High Dynamic Range(HDR), DPCD1.4, 8/10/12 bit Color depth
- \* Support multiple color formats: RGB; YCbCr4:4:4; YCbCr4:2:2; YCbCr4:2:0

##### **Note:**

Stream 3 is either DP or HDMI. If both are connected, DP will have priority over HDMI

Max 3 out of 4 video ports can stream simultaneously

Host requires to support Multiple Stream Transport (MST) to deliver triple display

Single Display: 4K 60Hz Max

Dual Display: 4K 60Hz + 4K 60Hz Max

Triple Display: 4K 30Hz + 4K 30Hz + 1080p Max

Max resolution can be achieved with host supporting DP1.4 & DSC

Actual video output resolution depends on the connected host and displays

#### USB C 10G x 3

- \* Max 10 Gbps data transmission
- \* An USB C port (adjacent to USB A port) supports Power Delivery max 30W charging for phones. Other 2 ports support max 1.5A downstream charging per port
- \* Support short-circuit, over-current, over-voltage protection

#### USB-A 10G x 3

- \* Max 10Gbps data transmission
- \* A port (closer to USB C) supports max 5V/1.5A charging, other ports support max 900mA charging
- \* Support short-circuit, over-current, over-voltage protection

#### SD4.0/micro SD (TF) 3.0

- \* SD supports SD4.0 with max 312MBps. Micro SD (TF) supports SD3.0 with max 104MBps
- \* 2 card slots can work simultaneously

#### RJ45 x1

- \* Support 10M/100M/1000M bandwidth
- \* Support full duplex flow control
- \* Support Wake-On-LAN
- \* Light indicator: no light when no Internet connected, orange light turns on when network connection is established, green light flashes when transmitting data.

#### 3.5mm Audio JACK x1

- \* Support phone-out with digital audio max 96KHz/24bit sampling rate.
- \* Support Mic-in with digital audio max 96KHz/24bit sampling rate
- \* Automatic detection switch to CTIA/MTP mode
- \* There will be no noise while it is been turning on and off

#### DC Power Jack x1

- \* Supports **smart charging**, dynamically distribute power to PC and Hub as demanded by the connected devices
- \* 20V 150W DC power supply.
- \* Max 140W power for host and the dock
- \* Max 96W for host charging. When the dock is fully loaded, only 64.8W is available for the host.

#### Power Switch & Power indicator LED

- \* The LED is bright orange when the product is powered on and bright blue when the product is connected to the host.

### Warranty

QZ offers 12 month limited warranty on all its products.

Visit here for more information <https://www.qzonline.in/warranty-and-return-policy/>