



# **Triple Video MST Docking Station with PD User Manual**



04-1365A

P/N: JU-DK0R11-S1

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## Features

- Support USB 10G speed connection between host and docking station. (USB 10G host required)
- Support USB-A 5G speed port x4,
- Support DisplayPort 1.4 / 1.2 DP alt mode
- Support three MST HDMI video output one DisplayPort + two HDMI (Refer to MST output table)
- Support Ethernet 10/100/1000Mbps
- Support SD & micro SD 3.0 (UHS-I) card reader. can use simultaneously.
- Support 3.5mm Headset jack
- Support USB PD 3.0 charging 65W
- compatible with Thunderbolt3 and Type-C host
- Only Windows OS support MST function

## Package contents

- Triple Video MST Docking Station with PD
- Power adapter DC 20V / 5A
- USB Type-C to Type-C cable
- User Manual

## System requirements

- Host computer system with an available USB Type-C (Thunderbolt 3 compatible) Port which supports DP Alt Mode and Power Delivery
- Windows® 11/10 / 8 .1/ 8 / 7 (32/64 bit)
- Only Windows OS support MST function

## What is USB 3.1 Type-C?

- USB 3.1 Type-C is a new generation connector interface of USB 3.1 standard, that is capable to support for the following:
- USB 3.1 Gen 1 support up to 5 Gbps data transfer rate and USB 3.1 Gen 2 support up to 10Gbps data transfer rate
- Bi-directional power delivery up to 100W, if both the USB host connection and the device support it
- DP Alternate modes, the signal is based on the DisplayPort version to deliver different speeds.

Not all USB-C ports support the full functionality of the USB Type-C standard. For more information, please refer to the information provided by the manufacturers.

## **DP alt mode** (DisplayPort alternative mode)

This docking station supports DP alt mode, which means a DisplayPort video signal can be transferred over a USB-C cable.

Because the docking station supports DP alt mode, so the Alt mode video port can output the video directly via DP alt mode without other driver installs.

## **USB Power Delivery**

This docking station supports USB Power Delivery, which means it delivers up to 65 watts of power to your connected host laptop (your laptop's USB-C port must support power delivery). USB Power Delivery is a specification that allows power to be sent over a USB-C or Thunderbolt 3 cable that supports the specification.

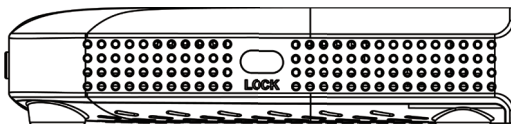
Ensure your USB-C cable can support PD 65W transfer or use the included USB-C cable.

## What is DisplayPort MST? (Multi-Stream Transport)

MST has been a feature of the DisplayPort standard since version 1.2 was released. The key factor of the technology's usefulness for desktop users is that it allows multiple independent displays to be driven from a single DisplayPort output source device.

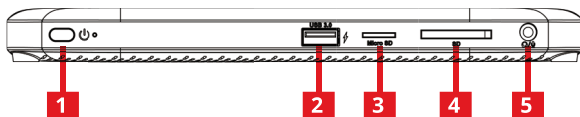
The combined data requirements of all the displays cannot exceed the limits of the single DisplayPort port that the video source originates from, nor exceed the capabilities of your graphics cards.

### Side View



Security Slot

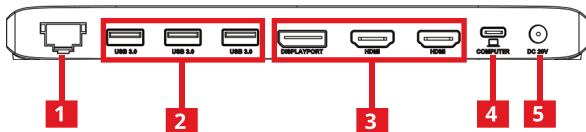
## Front View



1. **Power Button:**
2. **USB 3.0 5G Type-A port:**  
Support USB UASP mode, 5Gbps speed and 5V/1.5A power output.  
connect for USB peripherals  
(Support USB BC 1.2 charging)
3. **Micro SD (TF) card reader:**  
SD 3.0 (UHS-I)
4. **SD card reader**  
SD 3.0 (UHS-I)
5. **3.5mm headset jack:**  
connect to headset  
(include audio and microphone)



## Rear View



1. **RJ-45 Gigabit Ethernet port**  
connect to Ethernet router or switch  
(Support 1000/100/10 Mbps)
2. **USB 3.0 5G Type-A port:**  
USB 3.0 Type-A port support USB  
UASP mode, 5Gbps speed and 5V/900mA  
power output.  
connect for USB peripherals
3. **MST video output**  
These video output via host DP Alt  
mode and follow MST route  
Connect to DisplayPort or HDMI display  
Please refer to “**MST Video output table**”
4. **USB-C host:**  
Connect to USB-C port which supports  
DP Alt Mode and Power Delivery.  
PD charging 65W  
(Please use include USB C to C cable)

Not all USB-C ports support the full functionality of the USB Type-C standard. Ensure that your host USB-C port supports all functions

## 5. **Power jack:**

Connect the Power Adapter to the DC Power Input Port on the Docking Station. DC 20V/5A

## MST Video output table

	DP 1.2 Host	DP 1.4 Host
Any Signal Display	4K@30	4K@60
Any Dual Display	1080p@60 + 1080p@60	4K@30 + 1080p@60 or 2K@60 + 2K@60
Triple Display	1080p@60 + 1080p@30 + 1080p@30	1080p@60 + 1080p@60 + 1080p@60

## Q & A

- **Why my laptop can't get 65W charging?**

It depends on laptop charging spec, not all laptops need 65W input.

- **Why MST video output has no video?**

Ensure your USB-C host port support DP Alt mode.

- **Why MST only have one video output?**

Because bandwidth limit. Please refer to the MST Video output table to adjust the video output resolution.

- **Why my third monitor can't display when I set triple display mode?**

Because old Intel display chipset can only output three display include the laptop monitor. You need to close the laptop display at Windows "Display setting" then you can extend the third display.

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