



# USB-C MST Dock User's Guide



P/N: USBCMSTdock

Thank you for purchasing from gofanco. Our products aim to meet all your connectivity needs wherever you go. For optimum performance and safety, please read the instructions carefully and keep this User's Guide for future reference. If you need more information about our products, please visit [www.gofanco.com](http://www.gofanco.com). For technical support, please email us at [support@gofanco.com](mailto:support@gofanco.com). For drivers/manuals download, please go to [www.gofanco.com/download](http://www.gofanco.com/download).

## **Important Safety Notices**

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating

## **Introduction**

gofanco's USB-C MST Dock transforms a single USB-C port into a multi-port hub with HDMI, DisplayPort, USB 3.0, Gigabit Ethernet, SD memory card, and USB-C Data/PD charging ports.

## **Features**

- Supports Mirror mode with identical content displayed on each display, Extended mode with individual content displayed on each screen
- Supports up to 3840x2160@30Hz resolutions (single display only)
- Supports up to 1920x1080@60Hz resolutions (dual display connection, both DisplayPort and HDMI display)
- Supports USB-C with DisplayPort Alternate mode and Thunderbolt 3 technology

## **Package Contents**

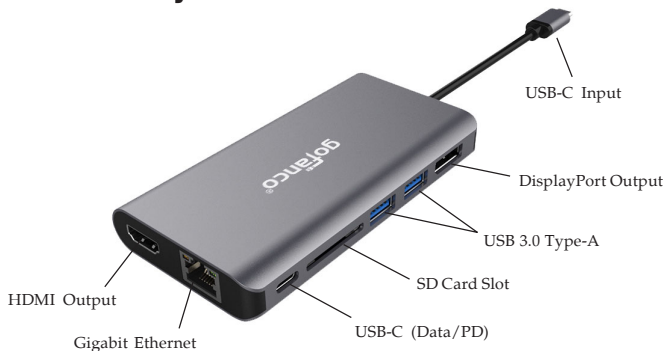
- USB-C MST Dock
- User's guide

## Installation Requirements

- PC with an available USB-C with DisplayPort Alternate mode or Thunderbolt 3 port
- Windows® 10 / 8.x / 7 (32-/64-bit)
- Mac OS® 10.13 or later

**Note:** Mac OSes currently do not support MST function, the dock becomes a Splitter displaying the same content on both displays

## Product Layout



- **USB-C Input:** Connect to PC's USB-C port
- **USB 3.0 Type A (x2):** Connect to USB devices, up to 5Gb/s data transfer rate

- **SD Card Slot:** SD 2.0 compliant, up to 40MB/s data transfer rate. Insert with the gold pins forward and facing down
- **USB-C (Data/ PD):** Supports USB 3.0 data transfer rate up to 5Gb/s, PD 3.0 compliant up to 100W (20V/5A). **Note:** The computer and power adapter must support PD 3.0 specification, otherwise the dock will reset when power delivery is disconnected
- **Gigabit Ethernet:** Connect to your network switch, router, or hub. Supports up to 1000 Mb/s data transfer rate
- **HDMI Output:** Connect to an HDMI display. Supports up to 3840x2160@30Hz (single display) or 1920x1080@60Hz (dual connection with DisplayPort display)
- **DP Output:** Connect to a DisplayPort display with DP cable (not included) or connect to DP adapters (not included) to HDMI, DVI or VGA to use with HDMI/DVI/VGA displays. **Note:** Supports Active DP adapters only. Supports up to 3840x2160@30Hz (single display) or 1920x1080@60Hz (dual connection with HDMI display)

## Hardware Installation

**Important:** The source USB-C output must support DisplayPort Alternate (DP Alt) mode or Thunderbolt 3 technology for the dock to work properly. Please verify DisplayPort Alternate mode over USB-C or Thunderbolt 3 with your computer manufacturer.

1. Power off all devices you plan to connect to the dock.
2. Connect the dock to your PC's USB-C connector, the drivers will install automatically, no driver installation is needed.
3. Connect your DisplayPort display and HDMI display to the dock's video outputs. **Note:** When mixing 4K and 1080p displays, connect the 1080p display to the dock and power it on 1st before connecting the 4K display.
4. The dock is ready for use.

## Important Notes

- Supports up to 3840x2160@30Hz (single display) or 1920x1080@60Hz (dual display with both DisplayPort and HDMI display)
- When mixing 4K and 1080p displays, connect the 1080p display to the dock 1st
- The systems graphics card must support DisplayPort 1.2 with MST technology, otherwise the dock becomes a splitter displaying the same content on both displays
- Mac OSes do not support MST technology, the dock becomes a splitter displaying the same content on both displays
- The computer and power adapter must support PD 3.0 specification, otherwise the docking will reset when power delivery is disconnected

## **AMD Eyefinity / Nvidia Surround Video Cards**

Advanced MST graphics technology is supported by AMD Eyefinity or Nvidia Surround graphics adapters. For Mirror mode, Extended mode, and advanced display setup such as video wall, refer to your graphics card's menu for more details.



# Application



# Specifications

Signal	DP Alternate mode / Thunderbolt 3
Input	1 USB-C
Compliance	DisplayPort 1.2 HDMI 1.4 USB Power Delivery 3.0 SD Card 2.0
Connectors	1x DisplayPort 1x HDMI 2x USB 3.0 Type-A 1x SD Card Slot 1x RJ45 1x USB-C (Data/PD)
Resolution	Up to 3840x2160@30Hz (single display) Up to 1080p@60Hz (dual display)
Audio	7.1-CH

## **Disclaimer**

The product name and brand name may be registered trademarks of related manufacturers. TM and ® may be omitted on the user's guide. The pictures on the user's guide are just for reference, and there may be some slight differences with the actual products.

We reserve the right to make changes without prior notice to a product or system described herein to improve reliability, function, or design.



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