

USB-C Dual-Monitor Docking Station for Laptops - MST and Power Delivery - 4K

StarTech ID: MST30C2DPPD



Here's a must-have accessory for your USB-C™ equipped laptop. This dual-monitor docking station is one of the first to integrate the next-generation USB-C host connector, so you can easily power and charge your laptop through its USB Type-C™ port. And, because it supports MST, you can connect multiple monitors through just one DisplayPort connection.

With power delivery, MST, dual video (DV), or 4K Ultra HD support, this innovative docking station caters to a range of users, such as IT administrators, designers and animators.

Connect just one adapter to power the dock and your laptop

USB-C is here. It's the future of universal connectivity, and many new laptops and tablets already feature USB Type-C ports. This versatile laptop dock capitalizes on the full potential of USB Type-C, which simultaneously transfers power, video, and data.

This docking station supports USB Power Delivery™ (up to a maximum of 66 watts), so you can power and charge your laptop directly through its USB-C port. Because a single power adapter can be used for your dock and laptop, you can reduce clutter at your workstation. Plus, you don't need to carry or remember an extra power adapter when you're traveling to or from the office.

Typical USB Type-A docks restrict video and data to 5Gbps shared bandwidth. This USB Type-C dock allocates data and video traffic separately, so extra bandwidth can be diverted to a particular video or data function, as needed. The USB-C laptop dock offers optimal performance when using multiple monitors and peripherals, so you can get more work done in less time.

Enjoy dual-monitor and MST video output possibilities

This versatile dock gives you two options for connecting dual monitors. With more monitors, you can multitask and increase productivity, by eliminating the hassle of flipping between several open windows.

For dual video, you can easily connect your DisplayPort and HDMI monitors. Alternatively, you can connect multiple monitors to the dock's DisplayPort connection using MST, making it easy to connect multiple DP 1.2 monitors in a daisy chain.

This dual-monitor docking station with MST makes it easier to deploy multiple displays of the same type across organizations, businesses, or hot desks. It can help you save money on volume monitor purchases, and it makes it easier to manage and troubleshoot problems.

Number of Displays	Video Output Configuration	Maximum Resolution
2	DisplayPort and HDMI	1920 x 1200p (60Hz)
1	HDMI	4096 x 2160p (24Hz)
1	DisplayPort	3840 x 2160p (30Hz)

**Lower resolutions are also supported.*

Easily connect a 4K display through USB-C

The USB-C laptop dock features a DisplayPort and an HDMI port, giving you the flexibility to connect your displays as needed. It supports dual monitors or a single high-resolution 4K monitor.

For extra screen space, this dock offers support for the higher 4096 x 2160p resolution, unlike traditional 4K docking stations that only support 3840 x 2160p.

For 4K output, you can connect:

- A 4K HDMI display at 4096 x 2160p resolution and 24Hz
- A 4K DisplayPort display at 3840 x 2160p resolution and 30Hz

Everything you need to create a full-sized workstation

This full-featured universal docking station offers the ports you need to create a full-sized workstation, including four USB 3.0 ports (including a fast charge-and-sync port and a USB-C port), plus Gigabit Ethernet, audio, and microphone connections.

The MST30C2DPPD is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Notes:

- *Ensure your laptop's drivers, firmware, and operating system are up to date prior to using the docking station.*
- *Video output capabilities are dependent on the video card and hardware specification of your connected laptop. Certain video cards have limited MST support, while some monitors will also limit the available resolution.*
- *Not all USB-C ports support the full functionality of the USB Type-C standard. Ensure that your laptop USB-C port supports DP alt mode, as well as USB Power Delivery.*
- *Not all Thunderbolt 3 USB-C ports support the full functionality of the Thunderbolt 3 standard. Ensure that your laptop Thunderbolt 3 port supports USB Power Delivery.*
- *Mac OS does not support MST.*

Applications

- An essential accessory for the latest USB-C equipped laptops such as the MacBook Pro, Dell XPS™ 15, 13, or 12, Dell Latitude™ laptops and 2-in-1s, HP Chromebook™ 13, Google Chromebook Pixel™, as well as many Windows® based tablets
- Power and charge your USB-C equipped laptop, using only the dock's power adapter
- Perfect for office workers, graphic designers, animators, engineers, financial professionals, and many more professions
- Create a full-size workstation that's ideal for hot desk and BYOD (Bring Your Own Device) users, or for CYOD (Choose Your Own Device) applications

Features

- Take advantage of USB-C with PD and deliver power to your laptop (30 to 66-watts) through a single USB Type-C port
- Daisy chain multiple DisplayPort monitors through one DP port, with support for MST (multi-stream transport) technology
- Versatile display possibilities, connect dual monitors (DisplayPort and HDMI), a single 4K HDMI display (4096 x 2160p - 24Hz), or a single 4K DP display (3840 x 2160p - 30Hz)
- Four USB 3.0 (5Gbps) ports — one USB-C and three USB-A (2x standard, 1x fast-charge and sync)
- USB-C host port supplies power, video (DP alt mode), and data connectivity to your laptop
- Supports USB Power Delivery Specification 2.0 (minimum 30 watts and maximum 66 watts)
- Charge your smartphone or tablet quicker, using the always-on USB 3.0 fast-charge and sync port (compliant with USB Battery Charging Specification 1.2)
- Easy-access 3.5 mm headphone and microphone ports
- Gigabit Ethernet RJ45 port with Wake-on-LAN (WOL)
- Includes a USB-C (USB 3.0) host cable
- Thunderbolt 3 data port compatible (the dock can connect to a Thunderbolt 3 port at 5Gbps and will support USB Power Delivery)

Technical Specifications

Warranty	2 Years
4K Support	Yes
Bus Type	USB 3.0
Chipset ID	Cypress - CYPD1122-40 (USB Power Delivery) MegaChips - STDP4320 (DisplayPort with MST) MegaChips - MCDP2850 (HDMI) Cypress - CYUSB3328-88LTXC (USB 3.0 with charge) Cypress - CYUSB3610-68LTXC (LAN) Texas Instruments - PCM2912APJT (Audio)
Displays Supported	2
Fast-Charge Port(s)	Yes
Industry Standards	USB Power Delivery Specification Rev. 2.0 USB Battery Charging Specification Rev. 1.2 DisplayPort 1.2 with MST IEEE 802.3, IEEE 802.3u, IEEE 802.3ab USB 3.0 - Backward compatible with USB 2.0 and 1.1
Auto MDIX	Yes
Compatible Networks	10/100/1000 Mbps
Full Duplex Support	Yes
Maximum Data Transfer Rate	5 Gbps (USB 3.0) 2 Gbps (Ethernet; Full-Duplex)
Maximum Digital Resolutions	1920 x 1200p @ 60Hz (DisplayPort and HDMI - Dual Monitors) 4096 x 2160p @ 24Hz (HDMI - Single Monitor) 3840 x 2160p @ 30Hz (DisplayPort - Single Monitor)
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
Connector Type(s)	2 - USB Type-C (24 pin) USB 3.0 Female
Connector Type(s)	1 - DisplayPort (20 pin) Female

Connector Type(s)	1 - HDMI (19 pin) Female
Connector Type(s)	1 - USB 3.0 A (Fast-Charge; 9 pin; SuperSpeed) Female
Connector Type(s)	2 - USB Type-A (9 pin) USB 3.0 Female
Connector Type(s)	1 - RJ-45 Female
Connector Type(s)	2 - 3.5 mm Mini-Jack (3 Position) Female
OS Compatibility	Windows® 10 (32-bit or 64-bit), 8 / 8.1 (32-bit or 64-bit), 7 (32-bit or 64-bit) Mac OS 10.11, 10.10*
	*Mac OS does not support MST
Note	Not all USB-C ports support the full functionality of the USB Type-C standard. Ensure that your host USB-C port supports USB Power Delivery 2.0 and DP alt mode.
Note	If you are connecting multiple DisplayPort monitors in a daisy chain through the dock's DisplayPort connection, the monitors must support DisplayPort 1.2 and MST
Note	USB 3.0 is also known as USB 3.1 Gen 1; this connectivity standard offers speeds up to 5Gbps
Note	A 4K-capable DisplayPort or HDMI display is required to achieve 4Kx2K resolution
Note	Video output capabilities are dependent on the video card and hardware specifications of your connected host laptop. Certain video cards have limited MST or video support, while some monitors will also limit the available resolution.
System and Cable Requirements	A host laptop with an available USB-C port (to ensure full adapter functionality, the host USB-C port must support USB Power Delivery 2.0 and DP alt mode)
LED Indicators	1 - Power (Green)
LED Indicators	1 - RJ45 Link (Green/Amber)
LED Indicators	1 - RJ45 Activity (Yellow)
Center Tip Polarity	Positive
Input Current	1.5 A
Input Voltage	100 ~ 240 AC
Output Current	4.5 A
Output Voltage	20 DC
Plug Type	N

Power Consumption	90 W Max
Power Source	AC Adapter Included
Humidity	5%~95% RH (Non-condensing)
Operating Temperature	5°C to 35°C (41°F to 95°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Color	Black
Enclosure Type	Plastic
Product Height	1.1 in [28 mm]
Product Length	8.3 in [210 mm]
Product Weight	4.7 oz [133 g]
Product Width	3.6 in [91 mm]
Shipping (Package) Weight	35.3 oz [1000 g]
Included in Package	1 - USB-C docking station for laptops
Included in Package	1 - USB-C host cable
Included in Package	1 - universal power adapter
Included in Package	4 - power cords (NA/UK/EU/AU)
Included in Package	1 - quick-start guide

Certifications, Reports and Compatibility

