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StarTech com MST30C2DPPD Dual Monitor USB-C Dock for Windows Owner's Manual 📄

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StarTech com MST30C2DPPD Dual Monitor USB-C Dock for Windows

Specifications

- **Warranty:** 3 Years
- **4K Support:** Yes
- **Bus Type:** USB-C
- **Chipset ID:** Cypress – CYPD1122-40, MegaChips – STDP4320, MegaChips – MCDP2850, Cypress – CYUSB3328-88LTXC, Cypress – CYUSB3610-68LTXC, Texas Instruments – PCM2912APJT

Product Usage Instructions

System and Cable Requirements

- Ensure your laptop's drivers, firmware, and operating system are up to date before using the docking station.

LED Indicators

- The docking station features LED indicators for power status.

Power Delivery

- This docking station provides up to 60W of Power Delivery to charge your laptop. Some laptops may have specific charging requirements, such as the full 60W for charging.
- If your laptop is not charging, simply unplug any peripheral accessories attached to

the dock's USB-C port and the USB 3.0 charging port during charging.

Video Output Configuration

- For a dual-monitor setup, ensure that your Windows laptop supports MST (Multi-Stream Transport).

4K Resolution

- To achieve a 4K resolution, you need a 4K-capable HDMI display connected to the docking station.

USB-C Port Compatibility

- Not all USB-C ports support the full functionality of the USB Type-C standard. Ensure that your laptop's USB-C port supports DP Alt Mode and USB Power Delivery.

Thunderbolt 3 Support

- Ensure that your laptop's Thunderbolt 3 port supports USB Power Delivery for optimal performance.

Speeds and Connectivity

- USB 3.0 is also known as USB 3.1 Gen 1, offering speeds up to 5Gbps for fast data transfer.
- Enhance your productivity by turning your Windows®-based USB-C™ laptop into a full-scale workstation.
- This dual-monitor USB-C dock lets you easily connect two monitors (1x HDMI and 1x DisplayPort) using one USB-C cable, with no setup of display drivers required, right out of the box.
- The USB-C dock provides 60W charging power and four USB 3.0 ports to connect devices.
- With ean easy dual-monitor setup, the dock is ideal for wide-scale use in office workstations.

Create a Dual Monitor Workstation

- This USB-C dock lets you connect dual monitors with flexible options, and with no display driver setup.

Connect your USB-C laptop to:

- **Dual displays:** 1x DisplayPort and 1x HDMI (cable included) at 1920 x 1200 resolution @ 60Hz
- You can also connect to a single 4K HDMI or DisplayPort display. The included 3.3 ft. (1 m) long USB-C cable makes it easy to position your laptop and improves the video signal quality.

Connect Your Devices

- Unlike some USB-C docks that may drop to USB 2.0 and limit Ethernet performance, this USB Type-C™ dock offers full USB 3.0 and network bandwidth.
- This provides faster data transfer speeds when using your USB 3.0 peripherals and supports true Gigabit Ethernet network throughput.
- USB Type-C™ dock gives you plenty of ports with four USB 3.0 ports, a reliable Gigabit Ethernet port and easy connection to the microphone and headset ports.
- Connect flash drives, keyboard, mouse or external hard drives using the three Type-A ports (including one Fast-Charge port). Connect a USB-C device to the USB-C port.

60W Charging Power

- The USB-C docking station with Power Delivery will power and charge (up to 60W) your laptop while powering your devices.
- The MST30C2DPPD is backed by a **StarTech.com** 3-year warranty and free lifetime technical support.

USB-C Power Delivery

- **Notes:** Ensure your laptop's drivers, firmware, and operating system are current before using the docking station.
- Video output capabilities depend on the video card and the hardware specifications of the connected laptop.
- 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 and USB Power Delivery.
- Not all Thunderbolt 3 USB-C ports support the full functionality of the Thunderbolt 3 standard. Ensure that your laptop's Thunderbolt 3 port supports USB Power Delivery.

Certifications, Reports and Compatibility

Applications

- Add essential ports required for mass deployment and standard workstation use in an office environment
- Ideal for USB-C equipped Windows laptops such as Dell XPS™, Lenovo® ThinkPad™, HP® Spectre, HP EliteBook and HP ProBook

Features

- Easily connect dual monitors (DisplayPort and HDMI) right out of the box, with no display driver setup
- Connect your USB devices with 4 x USB 3.0 ports – 1x USB-C and 3x USB-A (including 1x Fast-Charge)
- Power and charge your laptop with Power Delivery 2.0 (up to 60W)
- Add wired network connectivity with the Gigabit Ethernet RJ45 port
- Includes long 3.3 ft. (1 m) USB-C cable and HDMI cable.

Specifications

Hardware	Warranty	3 Years
	4K Support	Yes
	Bus Type	USB-C

	Chipset ID	Cypress – CYPD1122-40 MegaChips – STD P4320 MegaChips – MCDP2850 Cypress – CYUSB3328-88LTXC Cypress – CYUSB36 10-68LTXC Texas Instruments – PCM2912APJT
	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 – Backwards compatible with USB 2.0 and 1.1
Performance	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	Single display – DisplayPort – 3840 x 2160 @ 30Hz Single Display – HDMI – 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 30Hz Dual displays – 1x DisplayPort + 1x HDMI – 1920 x 1200 @ 60Hz
	Type and Rate	USB 3.0 – 5 Gbit/s
	UASP Support	Yes
Connector(s)	Connector Type(s)	2 – USB Type-C (24 pin) USB 3.0 Female
		1 – DisplayPort (20-pin) Female
		1 – HDMI (19 pin) Female
		1 – USB 3.0 A (Fast-Charge, 9 pin, SuperSpeed) Female
		2 – USB Type-A (9 pin) USB 3.0 Female
		1 – RJ-45 Female
		2 – 3.5 mm Mini-Jack (3 Position) Female
Software	OS Compatibility	Windows® 7, 8, 8.1, 10

Special Notes / Requirements	Note	Ensure your laptop's drivers, firmware, and operating system are up to date prior to using the docking station.
		For a dual-monitor configuration, the Windows laptop must support MST.
		A 4K-capable HDMI display is required to achieve 4K resolution
		Video output capabilities are dependent on the video card and hardware specification of your connected laptop.
		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.
		USB 3.0 is also known as USB 3.1 Gen 1; this connectivity standard offers speeds up to 5Gbps
		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.
		This docking station provides up to 60W of Power Delivery to charge your laptop. Some laptops may have specific charging requirements such as the full 60W for charging. In the event that your laptop is not charging, simply unplug any peripheral accessories attached to the dock's USB-C port (on back of dock) and the USB 3.0 (Type-A) charging port (on front of dock) during charging. This will ensure the full 60 W of power is available for charging your laptop.
	System and Cable Requirements	A Windows-based 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)
Indicators	LED Indicators	1 - Power (Green)
		1 - RJ45 Link (Green/Amber)
		1 - RJ45 Activity (Yellow)
Power	Center Tip Polarity	Positive
	Input Current	1.5 A
	Input Voltage	100 ~ 240 AC
	Output Current	4.5 A
	Output Voltage	20V DC
	Plug Type	N
	Power Consumption (In Watts)	90
	Power Delivery	60W

	Power Source	AC Adapter Included
Environmental	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)
Physical Characteristics	Color	Black

	Enclosure Type	Plastic
	Product Height	1.1 in [28 mm]
	Product Length	8.3 in [210 mm]
	Product Weight	9.2 oz [261 g]
	Product Width	3.5 in [90 mm]
Packaging Information	Shipping (Package) Weight	2.9 lb [1.3 kg]
What's in the Box	Included in Package	1 – USB-C docking station for laptops
		1 – USB-C cable [1 m/3.3 ft]
		1 – HDMI cable
		1 – universal power adapter
		3 – power cords (NA/JP, UK, EU)
		1 – quick-start guide

Product appearance and specifications are subject to change without notice.

CUSTOMER SERVICE

- **www.startech.com**
- **18002651844**

FAQ

What should I do if my laptop is not charging with the docking station?

Unplug any peripheral accessories attached to the dock's USB-C port and the USB 3.0 charging port during charging to ensure full power delivery.

How can I achieve a dual-monitor configuration?

Make sure your Windows laptop supports MST Multi-Stream Transport for a dual-monitor setup.

Documents / Resources

	[StarTech com MST30C2DPPD Dual Monitor USB-C Dock for Windows](#) [pdf] Owner's Manual MST30C2DPPD, MST30C2DPPD Dual Monitor USB-C Dock for Windows, MST30C2DPPD, Dual Monitor USB-C Dock for Windows, USB-C Dock for Windows, Dock for Windows

References

- [User Manual](#)

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