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Data Sheet

USB-C to HDMI Multi-Monitor Adapter - 2-Port MST Hub

Product ID: MSTCDP122HD



This MST hub lets you connect two HDMI® monitors to your USB-C™ computer. MST works on any Windows® device that supports DP Alt Mode over USB Type-C™, such as models of Dell Precision™ and Dell XPS™ laptops and ASUS® ROG GL752. The MST hub also works with Thunderbolt™ 3 ports to provide Thunderbolt 3 to dual HDMI conversion.

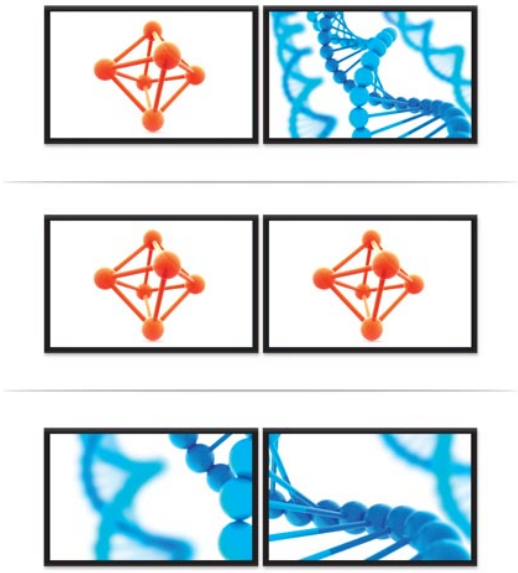
The USB-C HDMI hub is powered by the USB-C port, so you don't require an additional power adapter. This adapter works with USB Type-C devices that pass a DisplayPort video signal.

Increase your productivity with multiple monitors

The newest generations of laptops are more portable than ever. But, this could mean that you’re left with fewer video outputs and confined to your laptop's integrated screen. This USB-C MST hub solves these problems by letting you connect two independent HDMI displays through a USB-C port on your computer, which makes multitasking much easier.

Using the MST hub, you can extend your desktop onto additional monitors and stream independent content to each display. This makes it easier to multitask and increase your productivity -- perfect for creating a hot-desk solution with a wireless keyboard and mouse peripheral set.

The hub also lets you mirror the same image onto multiple displays, for remote viewing applications such as digital signage.



Astonishing picture quality that won’t drain your system resources

MST technology uses your existing video card to minimize the use of system resources while delivering Ultra HD 4K resolutions. 4K is supported by the latest A/V devices and offers four times the resolution of 1080p. Plus, because the MST hub can output high-definition 1080p, it's perfect for all high-resolution applications such as graphic design and CAD drawing.

The MSTCDP122HD USB-C to HDMI MST hub is backed by a StarTech.com 2-year warranty and free lifetime technical support.



Notes:

- Your USB-C equipped device must support video (DP Alt Mode) to work with this adapter.
- MST shares 21.6Gbps across all attached displays. Higher resolutions can restrict the available bandwidth with the remaining ports, please see our guideline below for determining an ideal resolution for your setup.

  Average resolution bandwidth allocation
  1920x1080 (High-definition 1080p) @60Hz - 22%
  1920x1200 @60Hz - 30%

2560x1440 @60Hz - 35%
2560x1600 @60Hz - 38%
3840 x 2160 (Ultra HD 4K) @30Hz - 38%

Exceeding 100% will reduce functionality.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Connect a USB-C device that supports DP Alt Mode to two high-resolution displays at your workstation
- Use one screen for referencing data, such as websites, while composing your documents on another screen

Features

- Maximize your productivity by connecting two independent HDMI displays to your computer
- Connect your USB-C computer to two HDMI displays such as televisions, monitors or projectors
- Increase external video performance with support for dual monitors with resolutions up to 4K (30 Hz)
- Thunderbolt 3 port compatible

	Warranty	2 Years
Hardware	Audio	Yes
	AV Output	HDMI
	Chipset ID	MegaChips - STDP4320 Parade - PS8402A VIA/VLI - VL100
	Ports	2
Performance	Maximum Digital Resolutions	3840x2160 @ 30hz
	Supported Resolutions	Note: MST shares 21.6 Gbps across all attached displays. Higher resolutions can restrict the available bandwidth with the remaining ports, please see our guideline below for determining an ideal resolution for your setup. **Average resolution bandwidth allocation** 1920x1080 (1080p) @60hz - 22% 1920x1200 @60hz - 30% 2560x1440 @60hz - 35% 2560x1600 @60hz - 38% 3840 x 2160 (Ultra HD 4K) @30hz - 38% Note: Exceeding 100% will reduce functionality.
	Wide Screen Supported	Yes
Connector(s)	Connector A	1 - USB-C (24 pin) DisplayPort Alt Mode Male Input
	Connector B	2 - HDMI (19 pin) Female Output
Software	OS Compatibility	Windows 10, 8.1, 8
Environmental	Humidity	50-90%
	Operating Temperature	5°C to 35°C (41°F to 95°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	Cable Length	1.3 in [33 mm]
	Color	Black
	Enclosure Type	Plastic
	Product Height	0.5 in [13 mm]
	Product Length	2.4 in [62 mm]
	Product Weight	1.6 oz [44 g]
	Product Width	2.3 in [58 mm]

Packaging Information	Shipping (Package) Weight	5 oz [143 g]
What's in the Box	Included in Package	1 - MST hub 1 - quick-start guide

Product appearance and specifications are subject to change without notice.