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Data Sheet

DisplayPort to DisplayPort Multi-Monitor Splitter - 2-Port MST Hub

Product ID: MSTDP122DP



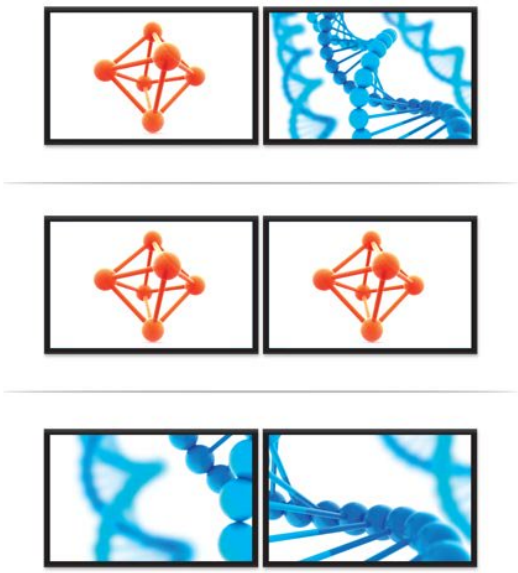
This MST hub lets you connect two monitors to your DisplayPort™ (DP) 1.2 equipped Windows® laptop or desktop. It’s USB powered, so the only thing you'll need to operate the hub is your computer.

Increase productivity with multiple screens

The newest generations of computers are more portable than ever, which often means that you’re left with fewer video outputs and smaller integrated screens. This MST hub solves both of these problems by letting you connect two additional displays to your computer, which makes multitasking much easier.

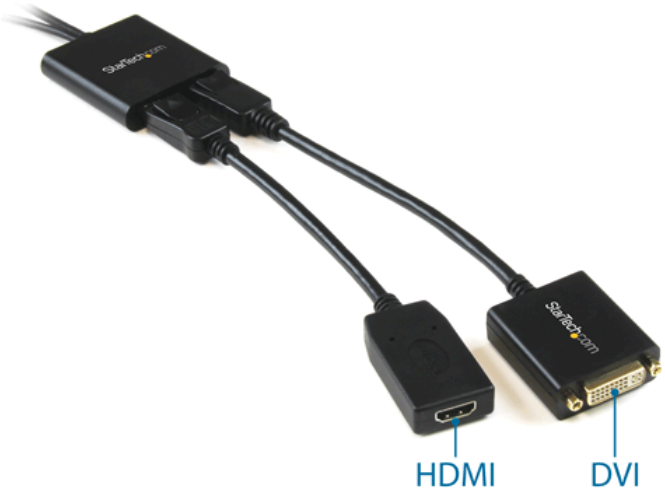
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Connect to any display

With the MST hub, you can use DisplayPort video adapters and cable adapters that enable you to connect HDMI, VGA or DVI displays. This ensures your MST hub will be compatible with virtually any television, monitor or projector. The hub is VESA and DisplayPort certified to support DP 1.2 enabled systems, for seamless integration with your existing video equipment.



Configure your displays for any environment

Using the MST hub, you can extend your desktop onto additional monitors and stream independent content to each display, giving you the freedom to multitask and increase your productivity. You can also mirror the same image onto multiple displays for remote viewing applications such as digital signage.

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Enjoy amazing video quality, without draining system resources

MST technology uses your existing video card to minimize the use of system resources while delivering Ultra HD 4K resolutions. This unprecedented performance makes MST perfect for high-resolution applications such as graphic design, gaming and medical imaging.

Note: When using a DisplayPort 1.1 video card the MST hub will act as a splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTDP122DP supports plug-and-play installation for a hassle-free setup, and is backed by a StarTech.com 2-year warranty and free lifetime technical support.

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%

Note: Exceeding 100% will reduce functionality.

Certifications, Reports and Compatibility











Applications

- Use one screen for reference data such as websites, while composing in another screen
- Dock your DP 1.2 device and add two high-resolution displays to your workstation
- Create a panoramic video wall for DisplayPort digital signage applications
- Edit images, video or audio clips across two additional displays in any orientation or resolution
- Perfect for spanning a spreadsheet or worksheet across two additional displays, to avoid side-scrolling

Features

- Maximize your productivity by connecting two independent displays to your computer using the MST Hub
- Connect to almost any television, monitor or projector with the support of low-cost adapters
- Increase external video performance with support for resolutions up to 4K
- VESA and DisplayPort certified
- Compatible with DP 1.2 graphics cards such as AMD Radeon with Eyefinity Technology
- Plug-and-play installation
- Newly engineered chipset for increased compatibility

	Warranty	2 Years
Hardware	Active or Passive Adapter	Active
	Audio	Yes
	Chipset ID	MegaChips - STDP4320
	Ports	2
Performance	Maximum Digital Resolutions	3840 x 2160 @30hz
	Supported Resolutions	1024x768 1280x720 (High-definition 720p) 1920x1080 (High-definition 1080p) 1920x1200 2560x1440 2560x1600 3840 x 2160 (Ultra HD 4K) @30hz
	Wide Screen Supported	Yes
Connector(s)	Connector A	1 - DisplayPort (20 pin) Receptacle Input
	Connector B	2 - DisplayPort (20 pin) Female Output
Software	OS Compatibility	Windows 10 (32/64) Windows 8/8.1 (32/64) Windows 7(32/64)
Special Notes / Requirements	**Note**	DisplayPort 1.2 with MST+HBR2 support from the GPU is required for independent display output
Power	Power Source	USB-Powered
Environmental	Humidity	50-90%
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	Cable Length	7.5 in [19 cm]
	Color	Black
	Enclosure Type	Plastic
	Product Height	0.6 in [14 mm]
	Product Length	15.2 in [386 mm]
	Product Weight	1.8 oz [52 g]
	Product Width	2.3 in [58 mm]
Packaging Information	Shipping (Package) Weight	4.7 oz [134 g]
What's in the Box	Included in Package	1 - 2-port DP MST Hub

1 - Quick install guide

Product appearance and specifications are subject to change without notice.