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Data Sheet

Mini DisplayPort to DisplayPort Multi-Monitor Splitter - 3-Port MST Hub

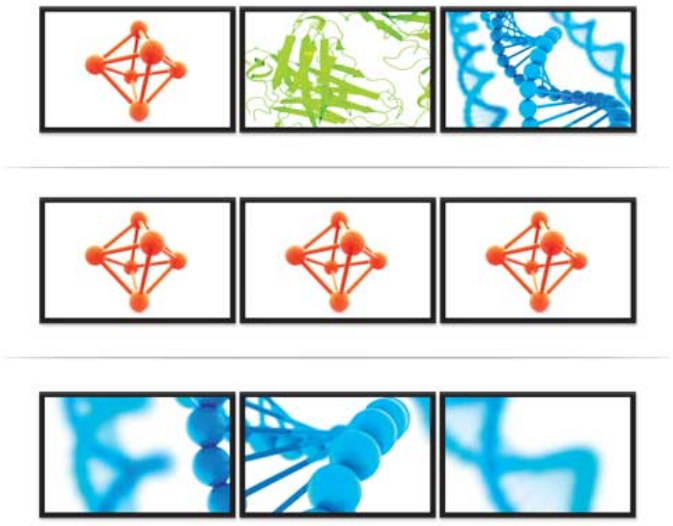
Product ID: MSTMDP123DP



This MST hub lets you connect three DisplayPort monitors to your Mini DisplayPort computer. MST works on any Windows® device that supports DisplayPort 1.2, such as models of the Lenovo™ Think Pad® and Microsoft® Surface™. When connected to earlier revisions of DisplayPort, such as DP 1.1 the MST hub acts as a video splitter.

Increase your productivity with multiple monitors

The newest generations of laptops are more portable than ever, unfortunately this means you're left with fewer video outputs and a small integrated screen. The MST hub solves these problems by letting you connect three independent displays to a single mDP 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, which makes it easier to multitask and increase your productivity - perfect for creating an easy-to-dock hot desk solution with a wireless keyboard and mouse peripheral set. You can also 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 delivers four times the resolution of 1080p. Plus, because the MST hub can output high-definition 1080p, the MST hub is perfect for all high-resolution applications such as graphic design and medical imaging.



Works with any monitor, television or projector

With this MST hub, you can use separate mDP video adapters to connect HDMI, VGA or DVI displays, for compatibility with all of your existing monitors. The hub is VESA and DisplayPort certified to support DP 1.2 enabled systems, for seamless integration with your existing video equipment.

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The MSTMDP123DP has been certified by Microsoft and tested for compatibility with your Microsoft Surface Pro 3, Surface Pro 4 and Surface Book and is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Designed for Microsoft Surface



Certifications, Reports and Compatibility















Applications

- Add additional displays to your computer
- Use one screen for reference data such as websites, while composing in another screen
- Edit images, video or audio clips across three displays in any orientation or resolution
- Perfect for spanning a spreadsheet/worksheet across all three displays, to avoid side-scrolling
- Enjoy panoramic game environments spanning two displays, while displaying helpful codes or walkthrough data on a third display

Features

- Maximize your productivity by simultaneously multitasking on three different displays
- Get astonishing picture quality with support for resolutions up to 4K at 60Hz
- Output video to virtually any display with support for low-cost DVI, HDMI or VGA video adapters
- VESA and DisplayPort certified
- Compatible with mDP 1.2 graphics cards such as AMD Radeon with Eyefinity Technology
- Plug-and-play installation

	Warranty	2 Years
Hardware	Active or Passive Adapter	Active
	Audio	Yes
	Chipset ID	MegaChips - STDP4320
	Ports	3
Performance	Maximum Digital Resolutions	Up to 4K
	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 (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.
	Wide Screen Supported	Yes
Connector(s)	Connector A	1 - Mini-DisplayPort (20 pin) Male
	Connector B	3 - DisplayPort (20 pin) Latching Female
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 When using a DisplayPort 1.1 video card the MSTMDP123DP will act as splitter, automatically mirroring your video source across all displays. Resolution limitations apply Certain graphics adapters have limited MST support and will only output to three displays in total. If more than three monitors are attached the fourth will be disabled.
Power	Center Tip Polarity	Positive
	Input Current	0.5 A
	Input Voltage	110V-240V AC
	Output Current	3A
	Output Voltage	5 DC

	Plug Type	N
	Power Consumption (In Watts)	15
	Power Source	AC Adapter Included
Environmental	Operating Temperature	0°C to 45°C (32°F to 113°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Physical Characteristics	Cable Length	7.5 in [19 cm]
	Color	Black
	Enclosure Type	Plastic
	Product Height	0.8 in [20 mm]
	Product Length	15.2 in [386 mm]
	Product Weight	3.1 oz [87 g]
	Product Width	3.1 in [78 mm]
Packaging Information	Shipping (Package) Weight	14.4 oz [407 g]
What's in the Box	Included in Package	1 - Mini DisplayPort to DisplayPort MST Hub
		1 - Universal Power Adapter (NA/EU/UK/AUS)
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.