

Mini DisplayPort to DisplayPort Multi-Monitor Splitter - 4-Port MST Hub

Product ID: MSTMDP124DP



This MST hub lets you connect four monitors to your Mini DisplayPort (mDP) 1.2 equipped Windows tablet, laptop or desktop.

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 four additional displays to your computer, which makes multitasking much easier.

With the MST hub, you can use Mini DisplayPort video adapters and cable adapters that enable you to connect HDMI, VGA or DVI displays. This ensures that 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.

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.

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 MSTMDP124DP will act as a splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTMDP124DP supports plug-and-play installation for a hassle-free setup, and is backed by a StarTech.com 3-year warranty and free lifetime technical support.

Notes: 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. 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.

The Surface Pro 3, Surface Pro 4, and Surface Book only support the use of three displays in total. If this device is used with the Surface Pro 3, and three external monitors, the built-in touch screen on your Surface will be

disabled.

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.

Examples of supported resolution configurations

Examples of unsupported resolution configurations

Certifications, Reports and Compatibility



Applications

- Add additional displays to your Surface Pro 3
- Use one screen for reference data such as websites, while composing in another screen
- Dock your mDP 1.2 device and add four high-resolution displays to your workstation
- Create a panoramic video wall for digital signage applications
- Edit images, video or audio clips across four additional displays in any orientation or resolution
- Span a spreadsheet or worksheet across multiple displays, to avoid side-scrolling
- Build a four-display video wall to present entertainment to your patrons with an impressive display at a restaurant or shopping center

Features

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

Hardware	Warranty	2 Years
	Active or Passive Adapter	Active
	AV Input	Mini DisplayPort - 1.2
	Ports	4
	AV Output	DisplayPort - 1.2
	Audio	Yes

	Chipset ID	MegaChips - STDP4320
Performance	Maximum Cable Distance To Display	6.6 ft [2 m]
		3840 x 2160 (Ultra HD 4K) @30hz
	Maximum Digital Resolutions	1024x768
	Supported Resolutions	1280x720 (High-definition 720p)
	Wide Screen Supported	1920x1080 (High-definition 1080p)
	Audio Specifications	1920x1200
		2560x1440
		2560x1600
		3840 x 2160 (Ultra HD 4K) @30hz
		Yes
		DisplayPort - 5.1 Channel Audio
Connector(s)	Connector A	Mini-DisplayPort (20 pin)
	Connector B	DisplayPort (20 pin)
Software	OS Compatibility	Windows 10 (32/64)
		Windows 8/8.1 (32/64)
		Windows 7(32/64)
Power	Power Source	AC Adapter Included
	Input Voltage	100 - 240 AC
	Input Current	0.5 A
	Output Voltage	5 DC
	Output Current	3A
	Center Tip Polarity	Positive
	Plug Type	N
	Power Consumption (In Watts)	15
Environmental	Operating Temperature	0C to 45C (32F to 113F)
	Storage Temperature	-20C to 70C (-4F to 158F)
Physical	Color	Black

Characteristics

Material	Plastic
Cable Length	7.5 in [1.9 cm]
Product Length	15.2 in [3.9 cm]
Product Width	2.6 in [65 mm]
Product Height	0.6 in [15 mm]
Weight of Product	4.5 oz [127 g]

Packaging Information

Package Length	9.6 in [2.4 cm]
Package Width	6.0 in [1.5 cm]
Package Height	2.5 in [64 mm]
Shipping (Package) Weight	4.2 oz [118 g]

What's in the Box

Included in Package	4-Port Multi Monitor Mini DisplayPort MST Hub
Included in Package	Universal power adapter (NA/EU/UK/AUS)
Included in Package	Quick install guide

****Product appearance and specifications are subject to change without notice.***

