

## 3-Port Multi Monitor Adapter - Mini DisplayPort 1.2 to 3x DisplayPort MST Hub - Triple 1080p or Dual 4K 30Hz - mDP to DP MST Video Splitter for Windows Extended Desktop

### **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.

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.

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.

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.

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 3-year StarTech.com warranty and free lifetime technical support.

## **Certifications, Reports and Compatibility**

### **Applications**

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

### **Features**

- **MULTIPLE MONITORS:** Mini DisplayPort multi monitor adapter can drive 3x DisplayPort displays (DP 1.2/HBR2/21.6Gbps) at 1080p 60Hz or 2x @ 4K 30Hz using a mDP port on Windows PCs w/ no video compression

- **INCREASE PRODUCTIVITY:** This multi stream transport hub (MST Hub) helps increase your productivity by allowing you to add dual or triple extended screens to your office/home office workstation
- **COMPATIBLE WITH:** Any mDP 1.2 host (supporting MST) incl. Microsoft Surface Pro 1-6, Dell Precision Workstation, HP Z Workstation & Lenovo P Series ThinkStation models, plus AMD & Nvidia video cards
- **EASY TO USE:** Triple monitor adapter uses MST technology to natively support DP monitors for a driverless setup; Works w/Windows (limited compatibility w/macOS; single display or mirrored screen)
- **CONVENIENCE:** With a built-in 4" cable, the 3-port MST video splitter provides an easy method to connect additional independent monitors w/ any mDP 1.2 laptop or desktop graphics card that supports MST

---

## Hardware

Warranty	3 Years
Active or Passive Adapter	Active
AV Input	Mini DisplayPort - 1.2
Ports	3
AV Output	DisplayPort - 1.2
Audio	Yes
Chipset ID	MegaChips - STDP4320

---

## Performance

Maximum Cable Distance To Display	6.6 ft [2 m]
Maximum Digital Resolutions	Up to 4K
Supported Resolutions	<p>&lt;p&gt;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.&lt;/p&gt;&lt;p&gt;Average resolution bandwidth allocation&lt;/p&gt;&lt;p&gt;&lt;small&gt;1920x1080 (High-definition 1080p) @60hz - 22%&lt;/small&gt;&lt;/p&gt;</p>
	1920x1200 @60hz - 30%
	2560x1440 @60hz - 35%
	2560x1600 @60hz - 38%
	3840 x 2160 (Ultra HD 4K) @30hz - 38%</small></p><p><small>Note: Exceeding 100% will reduce functionality.</small></p>
Wide Screen Supported	Yes

Audio Specifications      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)

**Special Notes / Requirements**

Note	<p>DisplayPort 1.2 with MST+HBR2 support from the GPU is required for independent display output</p> <p>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</p> <p>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.</p>
------	--

**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 Characteristics**

Color	Black
Material	Plastic
Cable Length	4.0 in [10.2 cm]
Product Length	7.9 in [20.0 cm]
Product Width	3.1 in [78.0 mm]
Product Height	0.8 in [20.0 mm]
Weight of Product	3.1 oz [87.0 g]

**Packaging Information**

Package Length	6.1 in [15.5 cm]
Package Width	9.0 in [22.8 cm]
Package Height	2.2 in [55.0 mm]
Shipping (Package) Weight	14.4 oz [407.0 g]

**What's in the Box**

Included in Package	Mini DisplayPort to DisplayPort MST Hub
	Instruction Manual
	Universal Power Adapter (NA/EU/UK/AUS)

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

