

3-Port Multi Monitor Adapter - Mini DisplayPort to DisplayPort MST Hub, Dual 4K 30Hz & 1x 1080p - Video Splitter for Extended Desktop Mode on Windows Only - mDP 1.2 to 3x DP

**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

- 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

- **MULTI MONITOR ADAPTER FOR WINDOWS:** Mini DisplayPort to Triple DisplayPort MST hub drives up to 3x DP monitors in extended or duplicate mode using a Mini DP port on Windows desktop PCs or laptops Not compatible with macOS
- **DISPLAY RESOLUTION:** Triple monitor mDP to DP MST hub supports resolutions up to 2x 4K 30Hz + 1x 1080p 60Hz on three screens or three ultrawide displays up to 2560x1080 60Hz
- **COMPATIBILITY:** 3-Port Mini DP to DisplayPort MST video splitter works with laptops, computers or desktop graphics cards Requires host system with DP 1.2/HBR2/MST or later from HP, Dell & Lenovo and AMD, Nvidia & Intel video cards
- **INCREASE PRODUCTIVITY:** Increase productivity by extending your desktop at your workstation in the office/home office MST technology uses your GPU/video card performance to deliver uncompressed video and use minimal system resources
- **EASY TO USE:** Multiple monitor adapter natively supports 3x DP monitors; Works with Windows only and provides an easy driverless setup
- **CONVENIENCE:** MST (multi-stream transport) hub is equipped with a built-in 4" (10cm) cable for video (Mini DisplayPort) and an AC power adapter Supports LPCM digital audio
- **GPU CAPABILITIES:** Please verify maximum number of displays supported by your GPU; Some GPU chips (such as Intel HD Graphics) are only capable of supporting a maximum of three displays (laptop screen may be disabled when connected to three monitors)

**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><small>&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% 1920x1200 @60hz - 30% 2560x1440 @60hz - 35% 2560x1600 @60hz - 38% 3840 x 2160 (Ultra HD 4K) @30hz - 38%&lt;/small&gt;&lt;/p&gt;&lt;p&gt;&lt;small&gt;Note: Exceeding 100% will reduce functionality.&lt;/small&gt;&lt;/p&gt;</small></p>
Wide Screen Supported	Yes
Audio Specifications	DisplayPort - 5.1 Channel Audio

**Connector(s)**

Connector A	1 - Mini-DisplayPort (20 pin)
Connector B	3 - DisplayPort (20 pin)

**Software**

OS Compatibility	Windows 11 Windows 10 (32/64)
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Windows 8/8.1 (32/64)

Windows 7(32/64)

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#### 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.

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#### 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

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#### Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 70C (-4F to 158F)

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#### Physical Characteristics

Color	Black
Material	Plastic
Cable Length	4.0 in [10.2 cm]
Product Length	7.9 in [20.0 cm]

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Product Width	3.1 in [7.8 cm]
Product Height	0.8 in [2.0 cm]
Weight of Product	3.1 oz [87.0 g]

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#### Packaging Information

Package Quantity	1
Package Length	9.4 in [24.0 cm]
Package Width	6.1 in [15.6 cm]
Package Height	2.5 in [6.4 cm]
Shipping (Package) Weight	15.5 oz [440.0 g]

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#### 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

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#### Warranty Information

Warranty	3 Years
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***\*Product appearance and specifications are subject to change without notice.***