2-Port Multi Monitor Adapter - Mini DisplayPort to 2x DisplayPort MST Hub - Dual 4K 30Hz - Video Splitter for Extended Desktop Mode on Windows PCs Only - mDP 1.2 to 2x DP

Product ID: MSTMDP122DP

This MST hub lets you connect two 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 MST hub is USB powered, so the only thing you'll need to operate the hub is your computer.

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 two 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 MSTMDP122DP 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

• Connect additional displays to your Surface Pro 3

• Use one screen for reference data such as websites, while composing your documents on another screen

• Dock your mDP 1.2 device and add two high-resolution displays at 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

• MULTI MONITOR ADAPTER FOR WINDOWS: Mini DisplayPort to Dual DisplayPort MST hub drives up to two DP displays in extended or duplicate mode using a Mini DP port on Windows desktop PCs or laptops Not compatible with macOS

• DISPLAY RESOLUTION: Dual monitor mDP to DP MST hub supports resolutions up to 4K 30Hz (UHD) or 1080p 60Hz on both monitors, or can support two ultrawide displays up to 3440x1440 60Hz

• COMPATIBILITY: 2-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 2x DP screens; Works with Windows only and provides an easy driverless setup

• CONVENIENCE: MST (multi-stream transport) hub is equipped with built-in 7.5" (19cm) cable for video (Mini DisplayPort) and power (USB bus-powered) Supports LPCM digital audio

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Hardware

Warranty	3 Years

Active or Passive Adapter	Active
AV Input	Mini DisplayPort - 1.2
Ports	2
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	3840x2160 @ 30hz
Supported Resolutions	<p>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.</p><p>Average resolution bandwidth allocation</p><p><small>1920x1080 (High-definition 1080p) @60hz - 22%
	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	1 - Mini-DisplayPort (20 pin)
Connector B	2 - DisplayPort (20 pin)

Software

OS Compatibility	Windows 11
	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 MSTMDP122DP will act as splitter, automatically mirroring your video source across all displays. Resolution limitations apply

Power

	Power Source	USB-Powered
	Input Voltage	5V DC
	Output Voltage	5 DC

Environmental

	Operating Temperature	0C to 40C (32F to 104F)
	Storage Temperature	-20C to 60C (-4F to 140F)
	Humidity	50-90%

Physical Characteristics

	Color	Black
	Material	Plastic
	Cable Length	7.5 in [19 cm]
	Product Length	15.2 in [38.6 cm]
	Product Width	2.3 in [5.8 cm]
	Product Height	0.6 in [1.4 cm]
	Weight of Product	1.8 oz [51 g]

Packaging Information

	Package Quantity	1
	Package Length	6.8 in [17.3 cm]
	Package Width	5.7 in [14.4 cm]
	Package Height	1.3 in [3.3 cm]

	Shipping (Package) Weight	4.7 oz [134.0 g]

What's in the Box

	Included in Package	1 - 2-port mDP to DP MST Hub
		1 - Quick install guide

Warranty Information

	Warranty	3 Years

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