

A computer with a DisplayPort v1.2 compatible Graphics Card (e.g. AMD Radeon with AMD Eyefinity technology) is required to display in video wall mode. Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed. MST compliant DisplayPort 1.2 graphics cards are limited to a bandwidth of 21.6 Gbps amongst all monitors, with higher resolution monitors using up more bandwidth. 1080p monitors will use up approximately 22% of bandwidth, whereas 4K monitors will use 40% or more. As each monitor will be different, it is necessary to verify the percentage of bandwidth being used by each monitor in the display settings interface for your graphics card. If the total percentage of bandwidth taken up by all of the connected monitors exceeds 100%, an image will not display on one or more of them. Maximum supported video resolutions and number of monitors will be dependent upon your graphics card. Check the specifications of your graphics card to determine its capabilities.

## 2-Port DisplayPort Multi-Monitor Splitter, MST Hub, 4K 60Hz UHD, DP1.2, TAA

MODEL NUMBER: **B156-002**



Ideal for digital signage at schools, airports and other public venues that require a DisplayPort video signal to appear on two separate DisplayPort monitors or expanded across both monitors as a video wall.

### Description

Get everyone's attention by broadcasting awesome messages in ultra-high definition video! With Tripp Lite's B156-002 2-Port Multi-Display Video Splitter/Expander, you can split or expand a single DisplayPort signal into two separate signals and display them on two DisplayPort monitors using standard DisplayPort cables (Tripp Lite P580-Series or P583-Series). You can display the same image on each monitor, extend the desktop across them, or display in video wall mode where monitors are combined to display as one, enlarged monitor. The B156-002 supports Ultra-High Definition (UHD) video resolutions up to 4K @ 60Hz (3840 x 2160), 48-bit Deep Color (16 bits per channel), and is compatible with HDCP, EDID and DDC. It is compliant with DisplayPort v1.2. It comes with an external power supply and brackets for wall-, rack- or pole-mounting. All mounting hardware is included. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

### Features

#### Splitting, Extending, Multi-Display

- Splits a DisplayPort video signal to simultaneously display the same signal on two DisplayPort monitors,

### Highlights

- Compliant with DisplayPort 1.2
- Splits or expands a DisplayPort audio/video signal on two DisplayPort monitors
- Display the same image on each monitor, extend the desktop across them, or display in video wall mode where monitors are combined to display as one
- Supports Ultra High Definition (UHD) video resolutions up to 4K @ 60Hz (3840 x 2160) - see System Requirements
- Supports up to 48-bit Deep Color (16 bits per channel)
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

- A computer with a DisplayPort v1.2 compatible Graphics Card (e.g. AMD Radeon with AMD Eyefinity technology) is required to display in video wall mode.
- Mac OS X does not support MST for NVIDIA and Intel Graphics Processor Units, limiting video display on the connected monitors to mirror mode.
- Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying



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or expands it across both monitors as in video wall mode

- Displays can be placed up to 25 ft. away from the splitter/expander; the video source can be up to 16 ft. away from the splitter/expander (6 ft. is recommended).
- Supports both 4K @ 60Hz (3840 x 2160) UHD video and standard 1080p @ 60Hz (1920x1080) high-definition video

#### Video Standards and Protocols

- Supports up to 48-bit Deep Color (16 bits per channel) and video resolutions up to 4K Ultra High Definition (UHD), 4K @ 60Hz (3840 x 2160)
- Complies with HDCP, EDID and DDC
- Compatible with DisplayPort 1.2
- Compatible with Apple® Thunderbolt connectors (using P583-Series Mini Displayport to Displayport adapter cable)

#### Installation

- Plug-and-play; no software or drivers required
- Easy to install; connect the DisplayPort video source to the hub's input port, connect the external power supply, and finally connect the two monitors to the output ports

#### Mounting Options

- Wall-, rack- or pole-mounting; all mounting hardware is included

#### TAA-Compliant for GSA Schedule Purchases

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

in Clone / Mirror Mode only).

Compatibility with older graphics cards is not guaranteed.

- Maximum supported video resolutions and number of monitors will be dependent upon your graphics card. Check the specifications of your graphics card to determine its capabilities.
- A monitor with a Displayport input port.

#### Package Includes

- B156-002 Multi-Display Splitter/Expander
- Mounting hardware
- Bracket (for wall-, rack- or pole-mounting)
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.)

## Specifications

OVERVIEW	
UPC Code	037332175878
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.
Technology	DisplayPort
Host Connector	DISPLAYPORT (MALE)
VIDEO	
Max Supported Video Resolution	4K @ 60Hz (3840 x 2160)
Max Supported Color Depth	48-bit Deep Color
3D Video Supported	Yes



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AUDIO	
Audio Specification	DTS-HD, Dolby TrueHD and 7.1-channel surround sound audio
INPUT	
External Power Supply Plug(s)	NEMA 1-15P North America
POWER	
External Power Supply Input Specs (V / Hz / A)	100-240V, 50/60Hz, 0.5A
External Power Supply Output Specs (V / A)	5V, 2A
External Power Supply Cord Length (ft.)	4.5
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	FCC; UL; cUL
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(x2) Orange (Monitor Signal); (x1) Green (Power)
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	No
Shipping Dimensions (hwd / cm)	18.29 x 16.51 x 5.59
Shipping Dimensions (hwd / in.)	7.20 x 6.50 x 2.20
Shipping Weight (kg)	0.45
Shipping Weight (lbs.)	1.00
Unit Dimensions (hwd / cm)	9.175 x 6.414 x 2.56
Unit Dimensions (hwd / in.)	3.6 x 5.3 x 1.0
Unit Dimensions (hwd / mm)	91.75 x 64.14 x 25.6
Unit Packaging Type	Box
Unit Weight (kg)	0.39
Unit Weight (lbs.)	0.86
ENVIRONMENTAL	
Operating Temperature Range	14 to 167 °F (-10 to 75 °C)
Storage Temperature Range	-4 to 176 °F (-20 to 80 °C)
Relative Humidity	0% to 85%, Non-Condensing



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BTUs	11.92 BTU/Hr
Power Consumption (Watts)	3.5
<b>COMMUNICATIONS</b>	
EDID Compatible	Yes
<b>CONNECTIONS</b>	
Ports	2
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 1	(2) DISPLAYPORT (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
<b>FEATURES &amp; SPECIFICATIONS</b>	
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No
<b>SPECIAL FEATURES</b>	
MST Support	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
Certifications	FCC, RoHS, and REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	3-year limited warranty

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