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

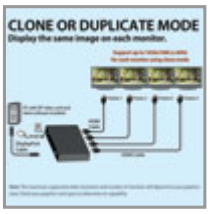
MODEL NUMBER: **B156-004-HD**











Ideal for digital signage in schools, airports and other venues that require a DisplayPort signal to be distributed to four HDMI monitors in mirror mode, extended mode, or video wall mode.

Description

Tripp Lite's B156-004-HD 4-Port DisplayPort 1.2 to HDMI MST Hub allows you to connect four independent HDMI monitors to a single DisplayPort output on your computer. Connect to a Mini DisplayPort output, or the Thunderbolt port on your Mac, using a Mini DisplayPort to DisplayPort cable (Tripp Lite 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 B156-004-HD supports video resolutions up to 1920 x 1080 (1080p) on each connected monitor. Expanded video resolutions are supported when displaying all four monitors in video wall mode, such as 3840 x 2160 @ 24/30Hz in a 2X2 monitor configuration, or 7680 x 1080 in a vertical 4X1 monitor configuration. It supports 48-bit Deep Color (16 bits per channel), DTS-HD, Dolby True HD and 7.1 channel surround sound audio, and is compatible with HDCP, EDID and DDC. It comes with an external power supply and brackets for wall-, rack- or pole-mounting. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Features

Splitting, Extending, Video Wall Mode

- Connect four independent HDMI monitors to a single DisplayPort output on your computer
- 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
- Supports video resolutions up to 1920 x 1080 (1080p) on each connected monitor.
- Expanded video resolutions are supported when displaying all four monitors in video wall mode, such as 3840 x 2160 @ 24/30Hz in a 2X2 monitor configuration, or 7680 x 1080 in a vertical 4X1 monitor configuration.

Video Standards and Protocols

- Supports up to 48-bit Deep Color (16 bits per channel)

Highlights

- DisplayPort 1.2 compliant
- 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 video resolutions up to 1920 x 1080 on each monitor. Displaying all four monitors in video wall mode allows for expanded resolutions up to 3840 x 2160 @ 24/30Hz 4K UHD.
- 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 in Clone / Mirror Mode only). Compatibility with older graphics cards is not guaranteed.
- MST-compliant 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 of your graphics card. If the total percentage of bandwidth taken up by all the connected monitors exceeds 100%, an image will not display on one or more of them.
- A monitor with a HDMI port.

- Compatible with HDCP, EDID and DDC
- DisplayPort 1.2 compliant
- Compatible with Apple® Thunderbolt connectors when using a Mini DisplayPort to DisplayPort cable (Tripp Lite P583-Series)

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 four HDMI monitors to the output ports
- Connect to a Mini DisplayPort output, or the Thunderbolt port on your Mac, using a Mini DisplayPort to DisplayPort cable (Tripp Lite P583-Series)

Mounting Options
- Wall-, rack- or pole-mounting; mounting hardware is included

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

Package Includes
- B156-004-HD DisplayPort 1.2 to HDMI Multi-Stream Transport (MST) Hub
- Mounting Hardware
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.)

Specifications

OVERVIEW	
UPC Code	037332186928
Technology	DisplayPort; HDMI
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
AUDIO	
Audio Specification	DTS-HD, Dolby TrueHD and 7.1-channel surround sound audio
INPUT	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V, 50/60Hz, 0.5A
AC Power Adapter Output Specs (V / A)	5V, 2A
AC Power Adapter Cord Length (ft.)	4.5
POWER	
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.

DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	7
CONNECTIONS	
Number of Ports	4
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(x1) Green (Power)
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	No
Shipping Dimensions (hwd / in.)	8.43 x 6.46 x 2.20
Shipping Dimensions (hwd / cm)	21.41 x 16.41 x 5.59
Shipping Weight (lbs.)	0.65
Shipping Weight (kg)	0.29
Unit Dimensions (hwd / in.)	1.170 x 5.040 x 3.930
Unit Dimensions (hwd / cm)	12.8 x 10 x 2.97
Unit Dimensions (hwd / mm)	128 x 100 x 19.7
Unit Packaging Type	Box
Unit Weight (lbs.)	0.56
Unit Weight (kg)	0.25
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
BTUs	23.9 BTU/Hr
COMMUNICATIONS	
EDID Compatible	Yes
FEATURES & SPECIFICATIONS	

MST Support	Yes
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; UL; cUL
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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