

## Graphics Card Requirement

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 your important messages in 4K. With the 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 (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 at 60 Hz (3840 x 2160), 48-bit Deep Color (16 bits per channel), 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, 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-

## 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 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)

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

- 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
Product Type	Splitter
Technology	DisplayPort
Host Connector	DISPLAYPORT (MALE)
VIDEO	
Max Supported Video Resolution	3840 x 2160 (4K) @ 60Hz
Max Supported Color Depth	48-bit Deep Color
3D Video Supported	Yes
AUDIO	
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
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
AC Power Adapter Cord Length (m)	1.4
POWER	

Power Source Type	AC Adapter
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)	3.5
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	(x2) Orange (Monitor Signal); (x1) Green (Power)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Cable Length (ft.)	0
Cable Length (m)	0.00
Rackmountable	No
Shipping Dimensions (hwd / in.)	7.20 x 6.50 x 2.20
Shipping Dimensions (hwd / cm)	18.29 x 16.51 x 5.59
Shipping Weight (lbs.)	1.00
Shipping Weight (kg)	0.45
Unit Dimensions (hwd / in.)	1.000 x 2.500 x 3.600
Unit Dimensions (hwd / cm)	9.175 x 6.414 x 2.56
Unit Dimensions (hwd / mm)	91.75 x 64.14 x 25.6
Unit Packaging Type	Box
Unit Weight (lbs.)	0.86
Unit Weight (kg)	0.39
<b>ENVIRONMENTAL</b>	
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	11.92 BTU/Hr
<b>COMMUNICATIONS</b>	
EDID Compatible	Yes
<b>CONNECTIONS</b>	
Number of Ports	2
Side A - Connector 1	DISPLAYPORT (FEMALE)

Side B - Connector 1	(2) DISPLAYPORT (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
Input x Output	1 x 2
Daisy-chainable / Cascadable	No
<b>FEATURES &amp; SPECIFICATIONS</b>	
MST Support	Yes
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	FCC; UL; cUL
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty