2-Port DisplayPort to DisplayPort Splitter/Extender Kit over Cat6, MST Hub, 8K/4K 60 Hz, DP 1.4, Up to 230 ft. (70 m), TAA

MODEL NUMBER: **B156E-002-8K-K**

Splits and extends a 4K DisplayPort audio/video signal to two separate DisplayPort monitors up to 230 ft. away with zero latency.

Features

Connect up to 2 DisplayPort Monitors to Your DisplayPort Computer up to 230 ft. Away
This multi-display splitter connects two 4K or 8K DisplayPort monitors, projectors or televisions to the DisplayPort output on your laptop or desktop computer. Recommended for digital signage in schools, churches, trade shows, hotels, office conference rooms, restaurants, bars and retail outlets, the B156E-002-8K-K helps you create video walls, give audio/video presentations in front of large audiences or stream 4K/8K video to multiple locations.

DisplayPort Multi-Stream Transport (MST) Allows Connection of Multiple Displays
By connecting the DisplayPort input to a source that supports DisplayPort MST Mode, you may connect two monitors simultaneously. This allows you to display the same image on each monitor, extend your host desktop across both monitors or combine both monitors into one large display as a video wall. LED indicators let you know which monitors are receiving an AV signal.

Transmits 8K Video Using Cat6 Cabling
The B156E-002-8K-K supports Ultra HD resolutions up to 3840 x 2160 at 60 Hz per monitor with 12-bit Deep Color and 2-channel LPCM audio in extended desktop and mirror modes. In video wall mode, it supports expanded resolutions, including 7680 x 2160 at 60 Hz (2x1 vertical configuration) and 3840 x 4320 at 60 Hz (1x2 horizontal configuration). The B156E-002-8K-K is compliant with DisplayPort 1.4 standards and is backward compatible with previous versions. **Note**: *When in video wall mode, it is recommended to use monitors of the same brand and model to ensure full functionality.*

Supports HDR and 4:4:4 for the Sharpest Video Possible
The B156E-002-8K-K supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.3 encryption allows you to stream 4K content with no complications. This extender kit also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks
Power over Cable (PoC) technology powers the remote receivers over Cat6 cable. LEDs on both the transmitter and receivers will light up to indicate the system is receiving power and a signal is being transmitted. PoC lets you avoid the hassle of bulky power bricks and gives you the freedom to place the receivers away from an AC outlet.

Highlights

- Transmits in mirrored, extended and video wall modes for advanced digital signage
- Supports UHD resolutions up to 8K @ 60 Hz (4:4:4) in video wall mode
- Power over Cable (PoC) technology provides power to the receivers via Cat6 cable
- Ready for plug-and-play operation with no additional software or drivers needed
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- A computer with a DisplayPort 1.4 compatible graphics card (e.g. AMD Radeon with AMD Eyefinity Technology). Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers. The feature set is limited to that of the attached equipment (e.g. you may be limited to displaying in clone/mirror mode only). Compatibility with older graphics cards is not guaranteed.
- Mac OS X does not support MST for NVIDIA and Intel graphics processor units, limiting video display on the connected monitors to mirror mode.
- DisplayPort 1.4 bandwidth is 32.4 Gbps. Higher resolution monitors take up more bandwidth. Although DisplayPort monitors support video resolutions up to 3840 x 2160 on individual monitors, the number of 4K monitors connected at the same time is limited.

Package Includes

- B156E-002-8K-K 2-Port DisplayPort to DisplayPort Multi-Monitor Splitter
- (2) DisplayPort pigtail receivers
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A) with 4.5 ft. cord
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Mounting hardware

Designed for Plug-and-Play Convenience
Just connect your source device to the splitter with a user-supplied DisplayPort cable up to 15 feet (4.6 meters). User-supplied Cat6 cables connect the splitter and the pigtail receivers, which connect directly to the monitors' DisplayPort input. No software or drivers are needed. Plug the splitter's external power supply into a compatible AC outlet. Four international plug adapters (North America, Europe, U.K., Australia) are also included. Rugged metal enclosure comes with detachable brackets for mounting on a level surface.

TAA-Compliant for GSA Schedule Purchases
The B156E-002-8K-K is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

- Installation guide

Specifications

OVERVIEW	
UPC Code	037332287410
Product Type	Splitter; Extender Kit
Technology	DisplayPort
Host Connector	DISPLAYPORT (FEMALE)

VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	DISPLAYPORT (MALE)
Resolutions Supported	Video Wall Mode: (1x2) 3840 x 4320@ 60hz; (2x1)7680 x 2160@ 60hz;Extented Desktop Mode: 3840 x 2160@ 60hz (Display 1 & Display 2)Mirror Mode: 3840 x 2160@ 60hz (Display 1 & Display 2)
Max Supported Video Resolution	7680 x 2160 (8K) @ 60Hz
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	230
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	2
Receiver/Transceiver Video Output	DisplayPort
Max Supported Color Depth	12-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4

AUDIO	
Audio Specification	2ch LPCM, AC3,DTS, Bit depth up to 24bits, sample rate up to 192Khz.

INPUT

AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.6A
AC Power Adapter Output Specs (V / A)	24V / 1A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Bus Powered	No

POWER

Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.
Power Consumption (Watts)	26.50

CONNECTIONS

Number of Ports	2
Side B - Connector 1	(2) DISPLAYPORT (MALE)
Connector Plating	Nickel
Contact Plating	Gold
Input x Output	1 x 2
Daisy-chainable / Cascadable	No

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	(x2) Orange (Monitor Signal); (x1) Green (Power)

PHYSICAL

Material of Construction	ABS Plastic
Cable Length (ft.)	0
Cable Length (m)	0.00
Rackmountable	No
Receiver Unit Dimensions (hwd / in.)	2.95 x 1.85 x 0.73
Receiver Unit Weight (lbs.)	0.48501
Shipping Dimensions (hwd / in.)	4.17 x 6.29 x 13.70
Shipping Dimensions (hwd / cm)	10.60 x 16.00 x 34.80
Shipping Weight (lbs.)	4.85
Shipping Weight (kg)	2.20
Transmitter Unit Dimensions (hwd / in.)	9.25 x 3.94 x 1.17

Transmitter Unit Weight (lbs.)	1.433
Unit Dimensions (hwd / in.)	1.169 x 9.252 x 3.937
Unit Dimensions (in.)	9.25 x 3.94 x 1.17
Unit Packaging Type	Box
Unit Weight (lbs.)	2.5
Unit Weight (kg)	1.13

ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 85%, Non-Condensing
BTUs	90.365 BTU/h

COMMUNICATIONS	
Max 1024 x 768 Range (ft)	230
Signal Range (ft.)	230
Signal Range (m)	70
Max 480P Range (ft)	230
Transmission Distance	230
Max 1440 x 900 Range (ft)	230
Max 1080i Range (ft)	230
Max 1920 x 1440 Range (ft)	230
Max 4K UHD Range (ft)	230
Max 480i Range (ft)	230
Max 640 x 480 Range (ft)	230
Max 800 x 600 Range (ft)	230
EDID Compatible	No
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	Zero Latency

FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	Yes
Mounting Accessory Included	No

Multi-Resolution Support	No
Displayport Specification	1.2; 1.4
HDCP Specification	1.4; 2.3
Driver Required	No
DIN Mountable	No

STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; UL; cUL
Product Compliance	CE (Europe); FCC (USA); RoHS; Trade Agreements Act (TAA); UKCA; WEEE

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty