4x4 HDMI over Cat6 Matrix Switch Kit, Switch/4x Pigtail Receivers - 4K 60 Hz, HDR, 4:4:4, PoC, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-4X4-BH4PH**







Switch/quad-receiver combo allows custom switching of four HDMI 4K video/audio signals to four HDMI 4K displays up to 230 ft. away.

Features

HDMI Matrix Switch Kit Ideal for Digital Signage in Offices, Schools and Trade Shows
This HDMI matrix switch kit includes a quad-input switch and four pigtail-style receivers. It's recommended for office buildings, schools, houses of worship, trade shows, meeting facilities, retail settings, hotels and other locations with video presentations or digital signage applications. The matrix switch and receivers extend 4K audio/video up to 230 feet (70.1 meters), making the kit ideal for areas where the four source devices and four remote displays are farther apart than conventional cabling allows.

Extends a 4K A/V Transmission up to 230 ft.…or Even Farther
The B127A-4X4-BH4PH allows video from any of four connected HDMI sources to display on four HDMI displays up to 230 feet away via user-supplied Cat6 cabling. You may select which video to display on which monitors by using the push button on the switch or the included IR remote control, which lets you operate the switch from the receiver end of the installation. By installing B127A-010-H signal repeaters (sold separately) between the switch and receivers, you can extend the signal up to 400 feet (121.9 meters) total per video output.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127A-4X4-BH4PH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified in HDMI 2.0, with 36-bit Deep Color. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This switch kit also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks
After you connect the included external power supply to the switch, Power over Cable (PoC) technology powers the receivers over Cat6 cable. LEDs on both the switch 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 a bulky power brick and gives you the freedom to place the receivers without the need for a nearby AC outlet.

Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions
Say you have a brand new 4K/60 Hz HDTV in the living room, but want to extend video from the source devices to the older 1080p TV in the kitchen and the 4K (at 30 Hz) monitor in your home office. The B127A-4X4-BH4PH is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching,

Highlights

- Supports 4K @ 60 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- Switches between 4 source devices by manual push button or included IR remote
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Power over Cable (PoC) technology provides power to receivers via Cat6 cable
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device(s) with HDMI output (Blu-ray player, cable box, media server)
- Display device(s) with HDMI input (HDTV, projector, monitor)

Package Includes

- 4X4 Matrix switch
- (4) Pigtail receivers
- IR adapter cable
- IR remote control
- RS-232 adapter
- External power supply (Input: 100–240V, 50/60 Hz, 1.5A; Output: 24V 2A)
- (4) International plug adapters (Australia, Europe, U.S., U.K.)
- Mounting hardware
- Owner's manual

allowing each connected monitor to display video at its maximum resolution.

Plug-and-Play Operation for Quick Setup and Immediate Use
The included matrix switch and receivers operate with no software required. The switch comes with detachable surface-mount brackets for mounting to a pole, rack or flat surface. Connect the switch to as many as four sources with user-supplied HDMI cables (such as P568- or P569-Series). Then, connect the pigtail receivers' built-in HDMI plugs to the displays. Finally, connect the switch to the receivers with user-supplied Cat6 patch cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases
The B127A-4X4-BH4PH is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332269607
Product Type	Matrix Switch
Device Compatibility	Chromebook; Computer; Laptop
Technology	Cat5/5e; Cat6; HDMI; POC
Host Connector	(4) HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE); RJ45 (FEMALE)
Number of Monitors Supported	4
Video Ports	(4) HDMI (FEMALE); (4) RJ45 (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 2.2
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 @ 60 Hz
Max. Distance (Between any 2 Units)	230 ft.
Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	230
Max 1920 x 1200 Range (ft)	230
Max 2560 x 1600 Range (ft)	230
Max 3840 x 2160 (4K) Range (ft)	230
Maximum Distance with Booster	400
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	4
Transmitter - Local Display Output	HDMI or DVI w/ adapter

Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	4
Signal Range (ft)	230
Signal Range (m)	70
Range Extension with Booster	Yes
Range Extension using other Tripp Lite product	400 ft.
Extended Mode	No
Mirror Mode	No
Other Tripp Lite product used to extend range	B127A-010-H Signal Booster
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Signal Transmission	Unidirectional
AUDIO	
Audio Ports	(4) HDMI (FEMALE)
Audio Ports Details	Lossless audio including LPCM 7.1
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Supports lossless audio formats such as LPCM 7.1
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 / 1.5A
AC Power Adapter Output Specs (V / A)	24V / 2A
AC Power Adapter Cord Length (ft.)	4.53
AC Power Adapter Cord Length (m)	1.38
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Built-In Cable Length (ft.)	1
Built-In Cable Length (m)	0.305
Built-In Cable Length (in.)	12
Built-In Cable Length (cm)	30.5
Bus Powered	No
Power Source	AC Adapter

POWER	
Power Source Type	AC Adapter
AC Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes
Receiver Power Source	Power Over Cable
CONNECTIONS	
Side A - Connector 1	(4) HDMI (FEMALE)
Side A - Connector 2	(4) RJ45 (FEMALE)
Input x Output	4 x 4
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Transmitter: OUTPUT (1-4) = x4 Orange (Port is currently in use); A, B, C, D LED's = x16 Green (Indicates which output is in use); POWER = x1 Green (Unit is powered); RJ45 Power/Signal (1-4) = x4 Green (Solid when connected to power, Flashes when transmitting video). Receivers (x4): Power (x4 Green), Link Indicator (x4 Orange).
PHYSICAL	
Color	Black
Material of Construction	Metal
Included Mounting Accessories	Yes
Number of Displays	4
Form Factor/Mounting Options	Box; Pigtail; Rackmount; Tabletop; Wall-mount
Usable Rack Space	1U
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	1.86 x 4.7 x 7.5
Receiver Unit Dimensions (hwd / in.)	0.732 x 1.85 x 2.95
Receiver Unit Weight (lbs.)	1
Transmitter Unit Dimensions (hwd / cm.)	4.4 x 44 x 18.1
Transmitter Unit Dimensions (hwd / in.)	1.73 x 17.32 x 7.13
Transmitter Unit Weight (lbs.)	4.34
Unit Dimensions (hwd / in.)	1.730 x 17.320 x 7.130
Unit Dimensions (hwd / cm)	4.4 x 44 x 18.1
Unit Packaging Type	Box
Unit Weight (lbs.)	2

Unit Weight (kg)	0.91
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% RH, Non Condensing
COMMUNICATIONS	
Max 1024 x 768 Range (ft)	230
Signal Range (ft.)	230
Signal Range (m)	70
Max 480P Range (ft)	230
Transmission Distance	230 ft.
Max 1440 x 900 Range (ft)	230
Max 1080i 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
Max 1600 x 1200 Range (ft)	230
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Latency	Zero latency
USB Extension Support	No
FEATURES & SPECIFICATIONS	
All-in-One Kit	Yes
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	Yes
Port Selection	Pushbutton; Remote Selector
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	24 AWG Cat6 UTP Cable

DIN Mountable	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; GS; LPS; PSE; RCM; TUV; UL; WEEE; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.