4-Port Presentation Switch Kit, 4K 60 Hz (4:4:4) HDMI, DP, USB-C and VGA to HDMI over Cat6 Extender, 50 ft., TAA

MODEL NUMBER: **B320-4X1-MHB-K**



Switches between 4 multi-format (HDMI/DP/VGA/USB-C) audio/video sources all transmitting 50 ft. over Cat6 cabling to one HDMI monitor.

Features

4-Port Multi-Format Presentation Switch Connects 4 Video Sources to One HDMI Display This presentation switch connects four separate source devices to your 4K television, projector or monitor's HDMI input and switches between them. It then transmits the audio/video signals through Cat6 cable to the included receiver located up to 50 feet away. HDMI, DisplayPort, USB-C and VGA + Audio inputs connect Windows laptops, cable boxes, media servers, Blu-ray players, game consoles and other sources. Switch from one source to another using the manual push buttons, RS-232 commands or the included remote control.

Suitable for a Wide Range of Audio/Video Applications for Work or Play This kit is recommended anywhere a variety of video signals is transmitted to a hi-def display. It is suitable for home theaters, video and multimedia presentations, or digital signage applications in classrooms, bars, restaurants, conference rooms, lecture halls, exhibition centers and trade shows.

Transmits Crystal-Clear 4K Video with HDR, 4:4:4 Color and 7.1-Channel Audio The HDMI, DisplayPort and USB-C ports support UHD 4K resolutions up to 3840 x 2160 at 60 Hz, as well as HDR video, providing 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 also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. Full, rich, uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital surround sound ensure your ears receive the same treat as your eyes. The VGA port supports HD video up to 1920 x 1080 (1080p) at 60 Hz.

Remote Receiver Works Up to 50 ft. Away The presentation switch connects to the included passive remote receiver with a user-supplied Cat6 cable (sold separately). The pigtail-style receiver extends 4K video and digital audio signals to an HDMI display up to 50 feet (15.2 meters) away from the switch.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks Power over Cable (PoC) technology powers the remote receiver over Cat6 cable. Green and orange LEDs will light up to indicate the system is receiving sufficient 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 receiver away from an AC outlet.

Highlights

- HDMI, DisplayPort and USB-C ports support UHD 4K resolutions @ 60 Hz (4:4:4) over Cat6
- Push buttons, IR remote or RS-232 commands allow quick switching between sources
- USB-C PD 3.0 port charges source device to avoid battery drain and untimely shutdowns
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Switch between your laptop, media server, cable box, Blu-ray player, video game console, Roku or other audio/video sources in your home theater
- Connect multiple desktop computers and laptops to one monitor to save desk space
- Create multiple digital signage messages to appear at various times on a 4K HDMI display

System Requirements

- Source devices with HDMI, DisplayPort, USB-C and/or VGA output
- Display device with HDMI input

Package Includes

- B320-4X1-MHB-K 4-Port over Cat6 Presentation Switch/Extender Kit
- IR remote control
- IR receiver cable, 5 ft. (1.5 m)
- External power supply with 4.5 ft. (1.4 m) cord (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- Mounting hardware
- Owner’s manual

PD 3.0 Charging Port Charges the USB-C Source to Avoid Battery Drain and Signal Loss The USB-C Power Delivery port provides up to 20V 5A (100W), of which 90W is used to charge and power the connected USB-C device, such as a MacBook Pro or Windows laptop. Connect the device's power supply or power adapter between the USB-C PD 3.0 port and an available AC outlet to prevent the source from running out of power prematurely.

Plug-and-Play Operation for Quick Setup and Immediate Use The switch works right out of the box with no software required. Mounting hardware is included for installing the switch on a wall, pole or 19-inch rack. Connect your devices to the switch's ports with user-supplied cables (sold separately), and plug the switch's external power supply into an AC power source.

TAA-Compliant for GSA Schedule Purchases The B320-4X1-MHB-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.

Specifications

OVERVIEW	
UPC Code	037332255167
Technology	DisplayPort; HDMI; IR; VGA/SVGA
VIDEO	
Max Supported Video Resolution	HDMI/DP/USB Type-C: 4096 x 2160 @60Hz; VGA: 1920 x 1080 @60Hz
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
AUDIO	
Audio Specification	7.1 Channel Surround Sound
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
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
POWER	
Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
USB Power Delivery (PD) Charging Support	Yes

USB Power Delivery (PD) Charging Specification	3.0
CONNECTIONS	
Number of Ports	4
Side A - Connector 1	(2) 3.5MM (FEMALE); DB9 (FEMALE); DISPLAYPORT (FEMALE); HD15 (FEMALE); HDMI (FEMALE); RJ45 (FEMALE); (2) USB C (FEMALE)
Side B - Connector 1	HDMI (MALE); RJ45 (FEMALE)
Connector Plating	Nickel
Input x Output	4 x 1
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Green (Power), Orange (DP/HDMI/VGA/TYPE-C IN 1-4); RX: Green (Power), Orange (Signal Link)
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	3.74 x 2.36 x 0.73
Receiver Unit Weight (lbs.)	0.17
Shipping Dimensions (hwd / in.)	13.70 x 6.30 x 4.17
Shipping Dimensions (hwd / cm)	34.80 x 16.00 x 10.59
Shipping Weight (lbs.)	3.17
Shipping Weight (kg)	1.44
Transmitter Unit Dimensions (hwd / in.)	9.25 x 3.94 x 1.17
Transmitter Unit Weight (lbs.)	1.43
Unit Packaging Type	Box
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
Power Provided to Connected Device(s)	USB-C PD 3.0 Port: 90W
COMMUNICATIONS	
Signal Range (ft.)	50
Signal Range (m)	15
EDID Compatible	Yes

IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
USB Extension Support	No
FEATURES & SPECIFICATIONS	
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
Port Selection	Pushbutton; Remote Selector
Displayport Specification	1.2a
HDCP Specification	2.2
Recommended Category Cable	Cat6
DIN Mountable	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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