

1x4 HDMI over Cat6 Splitter for Medical Applications, 4K 60 Hz, HDR, 4:4:4, PoC, 230 ft. (70 m), TAA

MODEL NUMBER: **B127M-004-H**



Splits and extends a 4K signal via Cat6 cable from an HDMI source to 4 HDMI displays up to 230 ft. (70 m) away.

Features

4-Port HDMI Splitter Ideal for Medical Environments

The B127M-004-H pairs with B127M-100-H receiver (sold separately) to transmit, split and extend 4K video for medical applications in hospitals, clinics, physicians' offices and other medical environments where the source and display are farther apart than conventional A/V cables allow. This splitter conforms to strict EMI/RFI and ESD requirements.

Splits and Extends a 4K A/V Transmission Up to 230 ft. (70 m)

The B127M-004-H extends 4K signals from an HDMI source device to four HDMI displays up to 230 feet (70 meters) away via user-supplied Cat6 cabling. Each display must be connected to a B127M-100-H receiver (sold separately).

Transmits Crystal-Clear 4K Video with Multi-Channel Audio

The HDCP 2.2-compliant B127M-004-H supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified by HDMI 2.0, with 36-bit Deep Color, 4:4:4 chroma subsampling and full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on 4K displays.

Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions

Say you want to connect your 4K source device to monitors of various video resolutions – for instance, a 4K @ 60 Hz, a 4K @ 30 Hz and a 1080p @ 60 Hz. The B127M-004-H allows each connected monitor to display video at its maximum resolution without affecting the resolution of the other monitors.

Meets EMI/RFI and ESD Requirements Necessary for Use in Medical Applications

This 4K splitter meets CISPR 11- Group 1 Class A and IEC 61000-4-2 (ESD) Test level 4 standards for environments with strict EMI/RFI and ESD limitations. It is approved for medical applications where reducing electrical interference is vital to the proper functioning of equipment.

Local HDMI Port Supports 4K @ 60 Hz Resolution

To monitor the video signal being extended to the receivers, connect a 4K display to the local HDMI port

Highlights

- Supports 4K @ 60 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Power over Cable (PoC) technology provides power to all receivers via Cat6 cable
- Features EMI/RFI and ESD protection required for use in medical environments
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Connect a laptop for a video or PowerPoint presentation in a hospital conference room, where the source device changes frequently
- Extend video signals from one room to another using Cat6 cable, which can pass through conduit to meet building codes
- Gain flexibility in where the units are placed, with the freedom to move and relocate the PoC receiver away from an AC outlet
- Improve the line of sight for digital signage in a hospital, clinic, doctor's office or other medical setting

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display device with HDMI input (HDTV, projector, monitor)
- B127M-100-H receiver (up to 4 total)

Package Includes

- B127M-004-H Splitter
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, Europe, U.K. and Australia)
- Mounting hardware
- Owner's manual

with a user-supplied HDMI cable. This port does not support multi-resolution capabilities, so the connected monitor must also support 4K/60 Hz to function properly.

Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks

Power over Cable (PoC) technology powers the receivers over Cat6 cable. LEDs on both this splitter and the connected 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 where needed without worrying about finding convenient AC outlets.

Plug-and-Play Operation for Quick Setup and Immediate Use

The B127M-004-H works right out of the box with no software required. Mounting hardware is included for installing the splitter on a wall, pole or 19-inch rack. Connect the splitter to the source (Blu-ray player, cable box, laptop, media server, etc.) with a user-supplied HDMI cable (such as P569-XXX-CERT Series). Then, connect up to four receivers to HDMI displays (HDTV, projector, monitor, etc.) with additional HDMI cables. Finally, connect the splitter and receivers with user-supplied 26 AWG STP Cat6 patch cable (such as N262-Series).

TAA-Compliant for GSA Schedule Purchases

The B127M-004-H 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	037332262578
Product Type	Splitter
Technology	Cat6; HDMI; POC; Stereo Audio
Host Connector	HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	4
Video Ports	(5) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 (4K) @ 60Hz
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	5
Transmitter - Local Display Output	HDMI
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes

Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70
AUDIO	
Audio Specification	True uncompressed 7.1 Channel digital audio
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.)	4.53
AC Power Adapter Cord Length (m)	1.38
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Bus Powered	No
POWER	
Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Green (x1 Power LED, x4 RJ45 LED's = Power to splitter portsF); Orange (x4 RJ45 LED's = Power + Data being transmitted to connected receivers)
PHYSICAL	
Color	Black
Cable Length (ft.)	0
Cable Length (m)	0.00
Included Mounting Accessories	Surface Mounting Brackets
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.17 x 13.86 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 35.20 x 16.41
Shipping Weight (lbs.)	2.27
Shipping Weight (kg)	1.03
Unit Dimensions (hwd / in.)	1.169 x 9.252 x 3.937
Unit Dimensions (hwd / cm)	2.97 x 23.5 x 10
Unit Packaging Type	Box

Unit Weight (lbs.)	1.43
Unit Weight (kg)	0.65
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
ESD Protection	IEC 61000-4-2 (8kV contact, 15kV air)
COMMUNICATIONS	
Transmission Distance	230 ft. (70 m)
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	0
USB Extension Support	No
CONNECTIONS	
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	(4) RJ45 (FEMALE)
Input x Output	1 x 4
Daisy-chainable / Cascadable	No
FEATURES & SPECIFICATIONS	
EMI/RFI Line Noise Protection	Yes
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	26AWG STP Cat6
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; 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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