1000 Eaton Boulevard
Cleveland, OH 44122
United States

HDMI over Cat6 Extender Kit for Medical Environments, 4K @ 60 Hz, HDR, 4:4:4, PoC, 230 ft., TAA

MODEL NUMBER: **B127M-101-H**




HDMI extender kit with transmitter and receiver extends a 4K signal via Cat6 cable to an HDMI display up to 230 ft. away.

Features

All-in-One HDMI Extender Kit Ideal for Medical Environments
This complete transmitter and receiver system is recommended for transmitting 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. The extender kit conforms to strict EMI/RFI and ESD requirements.

Extends a 4K A/V Transmission Up to 230 ft.
The B127M-101-H extends 4K signals from an HDMI source device to an HDMI display up to 230 feet (70 meters) away via user-supplied Cat6 cabling.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio
The HDCP 2.2-compliant B127M-101-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 a 4K display. Built-in equalization allows you to fine-tune the image quality at the remote display.

Meets EMI/RFI and ESD Requirements Necessary for Use in Medical Applications
The transmitter and receiver both meet 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. They are approved for medical applications where reducing electrical interference is vital to the proper functioning of equipment.

Local HDMI Port on Transmitter Supports 4K @ 60 Hz Resolution
To monitor the video signal being extended to the receiver, connect a 4K display to the transmitter's local HDMI port 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 receiver over Cat6 cable. LEDs on both units will light up to indicate the system is receiving power and a signal is being transmitted. PoC lets you avoid the hassle

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 the receiver 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)

Package Includes

- Local transmitter
- Remote receiver
- 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

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of a bulky power brick and gives you the freedom to place the receiver where needed without worrying about finding a nearby AC outlet.

Plug-and-Play Operation for Quick Setup and Immediate Use
The included transmitter and receiver work right out of the box with no software required. Mounting hardware is included for installing both units on a wall, pole or 19-inch rack. Connect the transmitter to the source with a user-supplied HDMI cable (such as Tripp Lite's P568- or P569-Series). Then, connect the two units with user-supplied 26AWG STP Cat6/6a patch cable (such as Tripp Lite N262-Series). Finally, connect the receiver to the display with another user-supplied HDMI cable.

TAA-Compliant for GSA Schedule Purchases
The B127M-101-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	037332262677
Product Type	Extender Kit
Technology	Cat6; HDMI; POC
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	1
Video Ports	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	3480 x 2160 @ 60 Hz
Max. Distance (Between any 2 Units)	230 ft.
Maximum Distance with Booster	400
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4

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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	Transmitter: Power Indicator (x1) Green = (Unit is being powered by external power supply); RJ45 Port (x1) Green = Power, (x1) Orange = Video is being transmitted to connected receiver. Receiver: Power Indicator (x1) Green = (Unit is being powered by external power supply); RJ45 Port (x1) Green = Power, (x1) Orange = Video is being transmitted to connected receiver.
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Receiver Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Receiver Unit Weight (lbs.)	1
Transmitter Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Transmitter Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Transmitter Unit Weight (lbs.)	1
Unit Packaging Type	Box

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Unit Weight (lbs.)	1
Unit Weight (kg)	0.45
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
ESD Protection	IEC 61000-4-2 (8kV contact, 15kV air)
COMMUNICATIONS	
Signal Range (ft.)	230
Signal Range (m)	70
Transmission Distance	230 ft. (Standard)
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Latency	0
USB Extension Support	No
CONNECTIONS	
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Daisy-chainable / Cascadable	No
FEATURES & SPECIFICATIONS	
EMI/RFI Line Noise Protection	Yes
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	Yes
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	26AWG STP Cat6/6a
DIN Mountable	No

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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