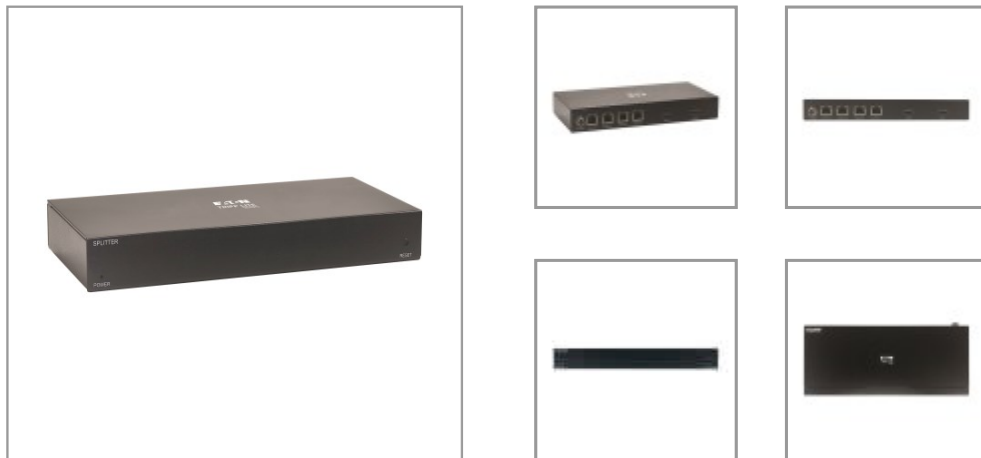


1x4 HDMI over Cat6 Splitter for Medical Applications, 4K 60 Hz, HDR, 4:4:4, PoC, 230 ft. (70 m), TAA

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 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.

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



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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 |



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| 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 |
| 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 |
| 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 |



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| | |
|--|---|
| 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 |
| 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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