



4K@30Hz HDMI over Ethernet Extender Kit

Extends a 4K@30Hz HDMI Signal up to 40 m or a 1080p@60Hz HDMI Signal up to 70 m over a Single Cat6 Ethernet Cable, Transmitter and Receiver, Power over Cable (PoC), Black

Part No.: **168397**

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4K HDMI Extender - Easily extend an Ultra-High-Definition (UHD) signal via a single Ethernet cable to achieve long-distance transmissions

The Manhattan 4K HDMI over Ethernet Extender Kit lets you transmit an audio/video signal in 4K@30Hz (3840 × 2160) up to 40 m (164 ft.) or 1080p@60Hz up to 70 m (230 ft.) via a single RJ45 Cat6 Ethernet cable. The Kit provides reliable video and multichannel audio transmission from your streaming device, gaming console (PS4, PS4 Pro, PS5, Xbox Series X/S, Switch etc.), Blu-ray player, satellite receiver, PC, laptop, MacBook® or other HDMI device over longer distances than standard HDMI cables alone can achieve. The transmitter and receiver have additional 3.5 mm jacks for Infrared (IR) inputs that let you control the source or display at either end of the setup.

Flexible Solution for Many A/V Applications

Ideal for trade shows, classrooms, home theater, conference rooms, business office and retail applications, the Manhattan 4K@30Hz HDMI over Ethernet Extender Kit is a cost-effective solution that boosts and extends an HDMI signal to where it's needed. Ethernet cabling - shielded or unshielded - has a higher range than HDMI cabling with in-line signal repeaters. When used with our Extender Kit, network cable delivers the clear, sharp and vivid picture that you've come to expect from HDMI cable.

Quality Construction and Easy Installation

HDCP 1.4 compliant with HDMI, the Manhattan 4K HDMI over Ethernet Extender Kit is tested to guarantee performance and reliability. It installs quickly without having to run software or install additional hardware. Built into the modules are mounting brackets that let you tidily install their metal housings on the wall or

ceiling.

Only one power adapter needed thanks to Power over Cable (PoC)

Extend your HDMI signals to locations that lack power outlets. The included power adapter connects to the transmitter and powers the receiver through the connected Ethernet cable.

Features:

- Extends an HDMI signal up to 70 m (230 ft.) from an HDMI source to a display using one Cat6 Ethernet cable
- Resolutions up to 4K@30Hz at 40 m (130 ft.) or up to 1080p@60Hz at 70 m (230 ft.)
- Power over Cable (PoC) technology that powers both the Transmitter (Tx) and Receiver (Rx) units through one power adapter (connected to the transmitter)
- HDMI loop-out on transmitter to connect a display near the source for easier setup
- Includes infrared (IR) blaster and receiver for remote control of the source device
- Plug and play - requires no software installation or configuration
- Up to 10.2 Gbps at 340 MHz bandwidth
- EDID switch for automatic image optimization based on receiver display or transmitter loop-out display
- Supports 4:4:4 chroma subsampling
- Supports MJPEG protocol for video compression
- Supports lossless LPCM 8 channel uncompressed audio formatting and 7.1 surround sound
- Supports 3D Video
- Compatible with game systems such as PlayStation®, Xbox®, Blu-ray players, set-top boxes, satellite receivers and more
- Gold-plated contacts for corrosion-free connections
- Rugged metal housing for maximum durability
- ESD protection up to 8 kV (air) and 4 kV (contact)
- Built-in mounting brackets for a tidy installation on wall or ceiling
- HDCP 1.4 compliant
- For additional distance capabilities, use a 15 m (50 ft.) Manhattan High Speed HDMI Cable with Ethernet on both transmitter and receiver
- Three-year warranty

Specifications:

For more information on Manhattan products, consult your local dealer or visit www.manhattan-products.com.

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Standards and Certifications

- HDCP 1.4
- HDMI 1.4
- CE
- FCC
- RoHS
- UKCA

General

- Supported resolutions: 480p/720p/1080i/1080p/4K (Cat6 or higher Ethernet cable recommended for maximum distance and resolution)
- Max. video bandwidth: 10.2 Gbps/340 MHz

Connections/buttons

- Transmitter
 - 2 x HDMI female 19-pin (one loop-out for local display)
 - 1 x DC 12.0 V input
 - 1 x RJ45 female
 - 1 x 3.5 mm IR female
 - 1 x EDID switch
- Receiver
 - 1 x HDMI female 19-pin
 - 1 x RJ45 female
 - 1 x 3.5 mm IR female

Electrical

- One DC power adapter, 1.2 m (4 ft.) cable
 - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
 - Output: 12.0 VDC; 1.0 A
- Power consumption max.: 1.86 W

Signal Input/Output

- Input video signal: 3.3 V p-p
- Input DDC signal: 5.0 V p-p
- Output video: HDCP 1.4

Physical

- Dimensions (L x W x H): 80 x 69 x 17 mm (3.15 x 2.72 x 0.67 in.)
- Net weight: 262 g (0.58 lbs.)
- Gross weight: 510 g (1.12 lbs.)
- Housing: Metal

Operating Environment

- Operation temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -20 - 60°C (-4 - 140°F)
- Humidity (non-condensing): 20 - 90%

Package Contents

- 4K@30Hz HDMI over Ethernet Extender Kit
- One DC power adapter, 1.2 m (4 ft.) cable
- Two IR connection cables, 1.5 m (5 ft.)
- Instructions

