



4K@60Hz HDMI over Ethernet Extender Kit

Extends a 4K@60Hz HDMI Signal up to 70 m (230 ft.) over a Single Cat6 Ethernet Cable, Transmitter and Receiver, Power over Cable (PoC), Black

Part No.: [207980](#)

EAN-13: 0766623207980 | UPC: 766623207980

4K HDMI Extender - Easily extend an HDMI audio/video signal via a single Ethernet cable for long-distance transmissions in 4K60 UHD and HDR

The Manhattan 4K@60Hz HDMI over Ethernet Extender Kit lets you transmit an AV signal in 4K@60Hz (3840 × 2160) up to 70 m (230 ft.) via a single RJ45 Cat6 Ethernet cable. The Kit provides reliable video and multichannel audio transmission for 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@60Hz 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 - is less expensive and easier to install than HDMI cabling and 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.

Easy installation and wide compatibility

HDCP 2.2 compliant with HDMI, the Manhattan 4K@60Hz HDMI over Ethernet Extender Kit is tested to guarantee performance and reliability. It installs

quickly without having to run software or install additional hardware. Included are four mounting brackets (two for each module) that let you tidily install their metal housings on the wall or ceiling. Full backward compatibility with 4K@30Hz and 1080p displays ensures that it will work with any HDMI source or destination device.

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 Ultra-High-Definition (UHD) 4K@60Hz (3840×2160)
- Power over Cable (PoC) technology that powers both the Transmitter (Tx) and Receiver (Rx) units through one power adapter
- High Dynamic Range (HDR) for superior contrast and brilliant colors
- 4:4:4 chroma subsampling
- Up to 18 Gbps total bandwidth with 6 Gbps per channel at 600 MHz
- Fully backward compatible with 4K@30Hz and 1080p displays
- 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
- 36-bit Deep Color (12 bits per channel)
- Supports 3D Video
- Supports compressed DTS-HD Master Audio, uncompressed LPCM 8 channel (7.1 surround sound) audio and Dolby TrueHD as well as 32-channel audio
- Compatible with every HDMI device - TVs, projectors, monitors, notebooks, PCs, AV receivers, streaming boxes, game consoles, PlayStation® (PS4/PS5), Xbox® (One/Series S/Series X), Blu-ray players and more
- Reset button on both units to adjust signal to cable length
- Plug and play - requires no software installation or configuration
- Gold-plated contacts for corrosion-free connections
- Rugged metal housing for maximum durability
- Includes mounting brackets for a tidy installation on wall or ceiling
- Fully HDCP 2.3 compliant, backward compatible
- Supports EDID and HDCP bypass
- For additional distance capabilities, use a 15 m (50 ft.) Manhattan High

Speed HDMI Cable with Ethernet on both transmitter and receiver

- HDMI cables and Ethernet cable not included; separately available from Manhattan and Intellinet Network Solutions
- Three-year warranty

Specifications:

Standards and Certifications

- HDMI 2.0
- HDCP 2.3
- CE
- FCC
- RoHS
- REACH
- UKCA

General

- Supported resolutions: 480p/576i/720p/1080i/1080p/4K@30Hz/4K@60Hz (Cat6 or higher Ethernet cable recommended for maximum distance and resolution)
- Max. video bandwidth: 18 Gbps / 600 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
- Receiver
 - 1 x HDMI female 19-pin
 - 1 x RJ45 female
 - 1 x 3.5 mm IR female
 - 1 x DC 12.0 V input

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.: 1.3 W (transmitter) / 1.6 W (receiver)

Physical

- Dimensions (L x W x H): 100 x 88 x 23 mm (3.94 x 3.46 x 0.91 in.)
- Net weight: 400 g (0.88 lbs.)
- Gross weight: 750 g (1.65 lbs.)
- Housing: metal

Operating Environment

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

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- Operation temperature: 0 - 70°C (32 - 158°F)
- Storage temperature: -20 - 80°C (-4 - 176°F)
- Humidity (non-condensing): 5 - 90%

Package Contents

- 4K@60Hz HDMI over Ethernet Extender Kit
- One DC power adapter, 1.2 m (4 ft.) cable
- Two IR connection cables, 1.2 m (4 ft.)
- Instructions

This product is part of a group; the complete list of variations follows:

- #207980 - HDMI over Ethernet Extender Kit 4K@60Hz up to 70 m (230 ft.)
- #168397 - HDMI over Ethernet Extender Kit 4K@30Hz up to 40 m (130 ft.)
- #207539 - HDMI over Ethernet Extender Kit 1080p@60Hz up to 60 m (196 ft.)



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

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