



4K HDMI over Ethernet Extender Kit

Extends Distances of 4K@30Hz up to 50 m (165 ft.) with a Single Ethernet Cable, Transmitter (TX) and Receiver (RX), IR Support, Black

Part No.: [207645](#)

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4K HDMI over Ethernet Extender Kit - easily extend an ultra-high-definition (UHD) signal via single Ethernet cable

The Manhattan 4K HDMI over Ethernet Extender Kit is the ideal solution for connecting virtually any HDMI source that supports resolutions up to 4K@30Hz to a UHD display or projector up to 50 m (164 ft.) away via a single Ethernet cable. The Kit provides reliable video and multichannel audio transmission for your gaming console (PlayStation®, Xbox®, etc.), Blu-ray player, satellite receiver, digital recorder or other HDMI device over longer distances than HDMI cables can achieve alone. 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 HDMI over Ethernet Extender Kit is a cost-effective solution that boosts and extends an HDMI signal to where it's needed. Ethernet cabling — UTP, SSTP or SFTP (cables not included) — is less expensive and easier to install than HDMI cabling and in-line signal repeaters. When used with our HDMI over Ethernet Extender Kit, Ethernet cable delivers the clear, sharp and vivid picture that you've come to expect from the 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.

Features:

- Supports uncompressed 4K@30Hz resolution up to 50 m (164 ft.)
- Up to 10.2 Gbps at 340 MHz bandwidth
- Lossless LPCM 8 channel uncompressed audio formatting, 7.1 surround sound, Dolby Digital and Dolby TrueHD
- Includes wideband, unidirectional IR TX and RX cables that allow for convenient remote control of UHD signal source or display
- Fully HDCP compliant to protect high-definition content transmission and ensure quality reception
- 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
- ESD protection level of 8 kV
- Requires Ethernet cable (Cat5e or higher, not included)
- Three-year warranty

Specifications:

Standards and Certifications

- HDCP 1.4
- HDMI 1.4
- DVI 1.0
- CE
- FCC
- RoHS

General

- Cat5e/6/6a cable: 4K@30Hz up to 50 m (164 ft.)

Connections

- One HDMI input (transmitter)
- One HDMI output (receiver)
- One RJ45 female (transmitter/receiver)
- Two 5 VDC power female (transmitter/receiver)
- Two 3.5 mm IR female (transmitter/receiver)

Signal Input/Output

- Input video signal: 0.5 – 1.0 V p-p
- Input DDC signal: 5 V p-p (TTL)
- Output video: HDCP 1.4, DVI 1.0
- Frequency: 10.2 Gbps / 340 MHz

Video Resolutions

- Standard Definition, High Definition, Full High Definition:
480i/576i/480p/576p/720p/1080i/1080p/4K (4K@30Hz 4:2:0 chroma subsampling)

Electrical

- Input: 100 – 240 VAC, 50 – 60 Hz
- Output: 5 VDC / 1 A
- Power consumption: 3.84 W (max.)

Physical

- Dimensions: 100 x 66 x 25 mm (3.94 x 2.6 x 0.98 in.)
- Weight: 685 g (1.51 lbs.)
- Housing: metal

Operating Environment

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

Package Contents

- 4K HDMI over Ethernet Extender Kit (receiver & transmitter modules)
- Power adapter (two units)
- IR blaster and receiver (1.5 m cable each)
- Four mounting brackets
- Quick Instruction Guide



