



HDMI over Ethernet Extender Kit

HDMI Signal Extender (1080p up to 50 m / 164 ft.), single Cat6 Cable, IR support
Part No.: [207461](#)

Easily extend a high-definition signal via single Ethernet cable

The Manhattan HDMI over Ethernet Extender Kit is the ideal solution for connecting virtually any HDMI source (Playstation, Xbox, Blu-ray player, satellite receiver, digital recorder, etc.) to an HD display or projector up to 50 m (164 ft.) via a single Cat6 Ethernet cable. These powered HDMI Extenders provide reliable 1080p resolution video and multichannel audio transmission over longer distances than is possible with HDMI cables alone. Plus, the transmitter module has an additional HDMI output port, allowing a second monitor to be placed in a control closet or run to second display. For additional quality control, the Manhattan HDMI over Ethernet Extender Kit includes an EDID control switch to minimize display issues, a built-in equalizer dip switch for long-run screen flickering corrections and a wideband IR blaster and receiver for remote control of the source device.

Flexible Solution for Many A/V Applications

Ideal for trade shows, classrooms, home theater, conference rooms, business office and retail applications, the Manhattan HDMI over Ethernet Extender Kit boosts and extends a 1080p signal up to 50 m (164 ft.) for convenient display or projector placement. Cat6 Ethernet cabling — UTP, SFTP or SFTP (cables not included) — is less expensive and easier to install than HDMI cabling and in-line signal repeaters, and, when used with our HDMI over Ethernet Extender, delivers a clear, sharp and vivid picture over longer distances.

Quality Construction and Easy Installation

HDCP compliant with HDMI, HDCP and DVI 1.0, this HDMI over Ethernet Extender Kit is tested to guarantee performance and reliability. It installs quickly without running software or installing additional hardware. It comes with a power adapter, which powers the receiver or transmitter over Ethernet for the unit using the power adapter, freeing up a power plug for more important applications.

Features:

- Extends HDMI connection up to 50 m / 164 ft. between an HDMI source and an HD monitor or projector, using one ethernet cable
- 2-port (1 HDMI, 1 Ethernet) transmitter allows HDMI signals to be sent over Ethernet and be split to local HDMI console simultaneously
- Supports 1080p resolution and 10.2Gbps data throughput
- Supports video amplifier bandwidth up to 340MHz, 3.40Gbps per channel (10.2Gbps total) for 1080p displays
- Supports lossless LPCM 8 channel uncompressed audio formatting, 7.1/5.1 surround

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

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sound

- Wideband IR transmit and receive cables allow for convenient remote control of HD signal source
- Supports Power over Ethernet (PoE), power RX unit with powered TX unit
- Adjustable EDID switch minimizes HDCP and other display issues; choose which display to configure
- HDCP compliant
- Fully HDCP compliant to protect high-definition content transmission and ensure quality reception
- Plug and play
- Plug and play — requires no installation or configuration
- Works with Playstation and Xbox game systems, Blu-ray players, set-top boxes, satellite receivers and more
- Gold-plated contacts
- Gold-plated contacts for corrosion free connections
- For additional distance capabilities, use 15m HDMI cables on both transmitter and receiver
- Three-Year Warranty

Specifications:

Standards and Certifications

- HDCP
- DVI 1.0
- CTS 1.2
- CE
- FCC
- RoHS2

General

- Cat6 cable 1080p at 50 m (165 ft.)
- Cat6 cable 720p at 70 m (230 ft.)
- Cat6 cable 480p at 100 m (300 ft.)
- Power: 5 VDC / 1 A; cable, 1.4 m (4.5 ft.)

Connections

- 2 HDMI female (transmitter)
- 1 HDMI female (receiver)
- 1 RJ45 female (transmitter/receiver)
- 1 5V/DC power female (transmitter)
- 1 3.5mm/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)
- Maximum single-link range: 1920 x 1200/60Hz, 1080p
- Output video: HDCP 1.2, DVI 1.0

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- Frequency: 3.40 Gbps / 340 MHz

Video Resolutions

- VGA: 640 x 480, 800 x 600, 1024 x 768, 1920 x 1200
- DTV/HDTV: 480i/480p/576i/576p/720p/1080i/1080p

Physical

- Dimensions: 69 x 80 x 17mm (2.7 x 3.2 x .7 in.)
- Weight: 0.35 kg (12.3 oz.)
- Housing: metal

Operating Environment

- Operation Temperature: 32 ~ 104°F (-0 ~ 40°C)
- Storage Temperature: -4 ~ 140°F (-20 ~ 60°C)
- Humidity (noncondensing): 0 ~ 96%

Package Contents

- HDMI Extender (2 receiver/transmitter modules)
- Power adapter (1 unit)
- IR blaster and receiver (1 unit each)
- Quick Install Guide



