



1080p HDMI over IP Extender Kit

Extends 1080p Signal up to 120 m (396 ft.) with a Network Switch and Single Ethernet Cable, IR Support, Black

Part No.: [207959](#)

Easily extend a High-Definition (HD) signal over an IP network with a single Ethernet cable. The Manhattan 1080p HDMI over IP Extender Kit is the ideal solution for connecting virtually any digital HDMI source (PlayStation, Xbox, Blu-ray player, satellite receiver, digital recorder, etc.) to an HD display or projector up to 120 m (396 ft.) away using an IP network and a single Ethernet cable. This powered HDMI over IP Extender Kit provides reliable 1080p resolution video and multichannel audio transmission over longer distances than HDMI cables alone. Plus, the transmitter and receiver modules have additional 3.5 mm ports for Infrared (IR) to allow for the control of the source from the display's location.

Flexible Solution for Many A/V Applications

Ideal for trade shows, classrooms, home theater, conference rooms, business office and retail applications, the Manhattan 1080p HDMI over IP Extender Kit is a cost-effective solution that boosts and extends an HDMI signal to where it's needed. Ethernet cabling — UTP, SFTP or SFTP (cables not included) — is less expensive and easier to install than HDMI cabling and in-line signal repeaters. When used with our Extender Kit, this cable delivers a clear, sharp and vivid picture over longer distances.

Quality Construction and Easy Installation

HDCP compliant with HDMI, the Manhattan 1080p HDMI over IP Extender Kit is tested to guarantee performance and reliability. It installs quickly without having to run software or install additional hardware.

Features:

- Extends an HDMI signal from an HDMI source to a High-Definition (HD) monitor or projector up to 120 m (396 ft.) using an unmanaged network switch and an Ethernet cable
- Works in conjunction with existing network infrastructures via TCP/IP
- Supports three connection configurations: direct connect from transmitter (Tx) unit to receiver (Rx) unit; Tx unit to network switch to Rx unit; Tx unit to network switch to many Rx units
- Can connect up to 250 displays to network with additional Rx units

- Supports uncompressed 1080p resolution at 120 m (396 ft.) and 10.2 Gbps data throughput
- Supports video amplifier bandwidth up to 165 MHz and 1.65 Gbps per channel (4.95 Gbps total) for 1080p displays
- Supports lossless LPCM 8 channel uncompressed audio formatting and 5.1 surround sound
- Offers IR Tx and Rx cables that allow for convenient remote control of HD signal source
- 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
- A flexible Audio/Video solution for conference rooms (when sharing ideas and data), digital signage (extending the distances between displays) and other applications
- Compatible 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
- Three-year warranty

Specifications:

Standards and Certifications

- HDCP 1.2
- TCP/IP
- DVI 1.0
- CTS 1.2
- CE
- FCC
- RoHS2

General

- Source-to-switch range: up to 100 m (330 ft.)
 - Switch-to-display range: up to 100 m (330 ft.)
- Combined distance source-to-switch-to-display 120 m (396 ft.)
- Cat6 cable: 1080p at 120 m (396 ft.)
 - Cat6 cable: 720p at 160 m (528 ft.)
 - Cat6 cable: 480p at 200 m (660 ft.)
 - Cat5e cable: 1080p at 100 m (330 ft.)
 - Cat5e cable: 720p at 140 m (462 ft.)
 - Cat5e cable: 480p at 180 m (594 ft.)
 - Power: 5 VDC / 2 A (cable: 1.4 m [4.5 ft.])
 - LED indicator

Connections

- One HDMI female, 19-pin (transmitter/receiver)

- One RJ45 female (transmitter/receiver)
- One 5 VDC power female, OD 5.5 mm / ID 2.1 mm (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)
- Maximum single-link range: 1.65 Gbps and 1080p resolution
- Output video: HDCP 1.2, DVI 1.0
- Frequency: 1.65 Gbps / 165 MHz

Video Resolutions

- Standard-definition TV, High-Definition TV
- SDTV/HDTV/UHDTV: 480i/576i/480p/576p/720p/1080i/1080p

Physical

- Dimensions: 100 x 59 x 25 mm (3.9 x 2.3 x 1 in.)
- Weight: 0.66 kg (1.45 lbs.)
- Housing: metal

Operating Environment

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

Package Contents

- 1080p HDMI over IP Extender Kit (receiver & transmitter modules)
- Power adapter (two units)
- IR blaster and receiver (one unit)
- Wall mounting hardware (two units each)
- Quick Instruction Guide



