HDMI and USB over IP Distribution Kit - 1080p

StarTech ID: ST12MHDLANU

This HDMI® over IP kit lets you extend an HDMI signal, as well as four USB peripheral device connections, over your network. You can use additional receivers (sold separately) to distribute the HDMI and USB signals to multiple locations and combine your remote displays to create a video wall while using the USB connection to extend a touch screen to create an interactive digital signage presentation.

Versatile configuration options

In a point-to-multipoint setup, you can connect the HDMI over IP kit through an unmanaged or managed Gigabit LAN portal. You can also connect one or several sources (transmitters) to multiple displays (receivers) over your network, using a managed Gigabit Ethernet switch with IGMP. For further scalability, you can combine up to 16 different extender kits.

For smaller-scale applications, you can use the extender kit as a point-to-point video extender by connecting the transmitter and receiver units directly over Cat5 or Cat6 cabling for a one-to-one HDMI extension up to 330 feet (100 meters).

Manage your video distribution from your mobile device

This HDMI distribution kit features an easy-to-use video control software app that helps you manage your IP video distribution. The app is simple to set up, with automatic hardware detection, and it lets you switch video sources for each remote display. You can also create and manage a video wall, for an impressive digital signage presentation that's sure to catch your audience's attention.

The software is available on iOS for your iPhone or iPad, Android™ for your smartphone or tablet, and Google Chrome™ browser.

Professional, cost-effective, simple installation

The HDMI over IP extender kit includes optional mounting hardware for a tidy installation. Ideal for high-definition applications, the extender supports 1080p video resolutions and digital stereo audio. Plus, because the extender uses standard non-proprietary Cat5e or Cat6 Ethernet cable with RJ45 connectors, it eliminates both the expense and hassle of running specialized cables.

The extender also features an EDID copy function, which ensures native resolution and maximum compatibility with your display or projector for a convenient plug-and-play installation.

Download the StarTech.com Video Control software to manage your IP video distribution.

Note: For best performance, a managed network switch with IGMP is recommended if you are using more than one transmitter, or more than four receivers, Non-managed network switches may also limit the performance of other devices connected to the same network.

The ST12MHDLANU is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Build a multi-display video wall to present entertainment to your patrons with an impressive display at a restaurant or shopping center
- Extend HDMI and USB to create an interactive digital signage presentation
- Display multiple communication boards showing dynamic data such as times and dates on digital charts in airports, train stations, bus stations or hospitals, that can be updated at any time
- Present your social media feeds on multiple screens in a large viewing area
- Place the display in a convenient viewing area, while the HDMI source equipment is placed elsewhere in a separate, secured environment
- Display the same HDMI audio / video signal on multiple displays, for large scale digital signage applications
- Extend HDMI using existing infrastructure
- Run multiple transmitters and receivers over the same network using a managed switch

Features

- Versatile video distribution with support for large multi-display presentations, video walls, video switching and point-to-point extension
- Extends four USB peripheral devices for remote console control
- Free mobile app makes it easy to manage switching video wall control (iOS / Android / Chrome browser)
- Tidy, professional installation using the included mounting hardware
- Connect using a Gigabit LAN network
- Easy point-to-point or point-to-multipoint setup
- Extend HDMI using existing network infrastructure
- Supports video resolutions up to 1920x1080 (1080p)

Technical Specifications

Warranty	2 Years
Audio	Yes
Cabling	Cat 5e UTP or better
Daisy-Chain	Yes
Output Signal	HDMI
Ports	1
Rack-Mountable	Yes
Audio Specifications	Stereo Sound
Max Distance	100 m / 330 ft
Maximum Digital Resolutions	1920x1200 @60Hz
Supported Resolutions	1920 x 1200 (1080p)
Wide Screen Supported	Yes
Connector A	1 - HDMI (19 pin) Female Input
Connector A	1 - USB B (4 pin) Female
Connector A	1 - RJ-45 Female
Connector B	1 - HDMI (19 pin) Female Output
Connector B	4 - USB A (4 pin) Female
Connector B	1 - RJ-45 Female
LED Indicators	1 - Link OK / POWER - Transmitter
LED Indicators	1 - Reset - Transmitter
LED Indicators	1 - Link OK / POWER - Receiver
LED Indicators	1 - Reset - Receiver
Center Tip Polarity	Positive
Input Current	0.6 A
Input Voltage	100 ~ 240 AC
Output Current	1.5 A
Output Voltage	12 DC
Plug Type	M
Power Source	AC Adapter Included
Humidity	0% - 80 %
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Color	Black

Enclosure Type	Aluminum
Product Height	1.1 in [28 mm]
Product Length	5.1 in [130 mm]
Product Weight	15.8 oz [448 g]
Product Width	3.8 in [97 mm]
Shipping (Package) Weight	4.3 lb [1.9 kg]
Included in Package	1 - HDMI over IP transmitter
Included in Package	1 - HDMI over IP receiver
Included in Package	2 - power adapters
Included in Package	2 - screws
Included in Package	1 - screw driver
Included in Package	2 - CAT5 cables
Included in Package	2 - mounting brackets
Included in Package	1 - quick install guide
Local Unit Connectors	1 - HDMI (19 pin)
Local Unit Connectors	1 - RJ-45
Remote Unit Connectors	1 - HDMI (19 pin)
Remote Unit Connectors	1 - RJ-45

Certifications, Reports and Compatibility