

HDMI and USB over IP Distribution Kit - 1080p

Product 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.

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).

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.

The HDMI over IP extender kit can be powered using Power over Ethernet to conveniently connect both data and power using an 802.3af PoE switch or injector, avoiding the hassle of external power adapters.

The 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 TAA compliant and backed by a StarTech.com 2-year warranty with free lifetime technical support.

Certifications, Reports and Compatibility

Applications

- Build a multi-display video wall to present entertainment to your patrons with an impressive display at a restaurant or shopping center
- 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
- Extend HDMI and USB to create an interactive digital signage presentation

Features

- Versatile video distribution with support for large multi-display presentations, video walls, video switching and point-to-point extension
- 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)

- Extends four USB peripheral devices for remote console control
- Can be powered by PoE (Power over Ethernet) or by included power adapter for versatile installation

Hardware

Warranty	2 Years
AV Input	HDMI
Ports	1
Cabling	Cat 5e UTP or better
Audio	Yes
Rack-Mountable	No
Daisy-Chain	Yes

Performance

Max Distance	100 m / 330 ft
Maximum Digital Resolutions	1920x1200 @60Hz
Supported Resolutions	1920 x 1200 (1080p)
Wide Screen Supported	Yes
Audio Specifications	Stereo Sound

Connector(s)

Connector A	HDMI (19 pin)
	USB B (4 pin)
	RJ-45
Connector B	HDMI (19 pin)
	USB Type-A (4 pin) USB 2.0
	RJ-45

Special Notes / Requirements

System and Cable	802.3af /at compatible PoE Switch or Injector
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Requirements

Cat 5e (or better) Ethernet cabling from PoE switch to the Access Point

Note

The ST12MHDLANU will only work with ST12MHDLANUR receivers

Indicators

LED Indicators

Link OK / POWER - Transmitter

Reset - Transmitter

Link OK / POWER - Receiver

Reset - Receiver

Power

Power Source

AC Adapter Included

Input Voltage

100 - 240 AC

Input Current

0.6 A

Output Voltage

12V DC

12V DC

Output Current

1.5 A

Center Tip Polarity

Positive

Plug Type

M

Power Consumption (In Watts)

18

Environmental

Operating Temperature

0C to 40C (32F to 104F)

Storage Temperature

-10C to 60C (14F to 140F)

Humidity

0% - 80 %

Physical Characteristics

Color

Black

Material

Aluminum

Product Length

5.2 in [13.1 cm]

Product Width	5.2 in [13.1 cm]
Product Height	1.1 in [27 mm]
Weight of Product	2.8 lb [1.2 kg]

Packaging Information

Package Length	9.4 in [23.8 cm]
Package Width	14.4 in [36.7 cm]
Package Height	3.0 in [76 mm]
Shipping (Package) Weight	5.0 lb [2.2 kg]

What's in the Box

Included in Package	HDMI over IP transmitter
	HDMI over IP receiver
	power adapters
	screws
	screw driver
	CAT5 cables
	quick install guide
	mounting brackets

****Product appearance and specifications are subject to change without notice.***

