HDMI Over IP Extender Kit - 4K

Product ID: ST12MHDLAN4K

This HDMI over IP extender gives you the flexibility to locate digital signage displays where you need them. Using your local network to extend a 4K HDMI signal, you can seamlessly distribute video to multiple displays from multiple source devices, making it easy to position your displays, or create a video wall.

You can add additional receivers (sold separately) to distribute your HDMI signal to multiple locations. You can also create a video wall and combine your video source across multiple displays.

The IP receiver also features RS-232 extension which enables you to add a remote serial-operated device.

In a point-to-multipoint setup, you can connect the HDMI over IP kit through a Gigabit LAN portal. You can also connect one or several sources (transmitters) to multiple displays (receivers) over your network, using a Gigabit Ethernet switch with IGMP.

For further scalability, you can combine up to 16 total extender kits. The extender also features a separate 3.5 mm audio source that enables you to switch between the native HDMI audio and a separate 3.5 mm audio source, so you can distribute a single audio source to multiple remote locations over IP.

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 up to 330 feet (100 meters). In this configuration, two independent 3.5 mm audio source can also be extended to separate 3.5 mm speaker systems.

This HDMI over IP kit delivers astonishing 4K UHD video to your remote 4K displays. With support for 4K, you can achieve an output resolution of up to 3840 x 2160p at 30Hz, which enables you to extend a 4K video source to multiple remote locations -- perfect for distribution throughout large buildings such as schools, hospitals, shopping centers or areas. The extender also works at lower resolutions such as 1080p or 720p.

This HDMI distribution kit features an easy-to-use video control software app to manage your IP video distribution. The app is simple to set up, with automatic hardware detection, and lets you switch video sources for each remote display. You can also create and manage a video wall, for an impressive digital signage presentation.
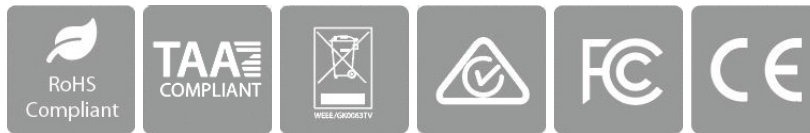
The software is available on iOS for your iPhone or iPad, and Android for your smartphone or tablet.

The HDMI over IP extender kit includes optional slot shelf mounting hardware for a tidy installation. Plus, because the extender uses standard non-proprietary CAT5e or CAT6 cable, it eliminates both the expense and hassle of running specialized cables.

Download the StarTech.com Video Control software.

The ST12MHDLAN4K is This product is TAA compliant and backed by a Startech.com 2-year warranty with free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Distribute a separate 3.5 mm audio source and switch between that source and the native HDMI audio source

• 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 RS-232 serial 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

Features

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

• Astonishing picture quality over IP with support for 4K at 30Hz resolution

• Tidy, professional installation using the included mounting hardware

• Connect using a Gigabit LAN network

• Extend HDMI using existing network infrastructure

• Easy point-to-point or point-to-multipoint setup

• Free mobile app makes it easy to manage switching video wall control (iOS / Android)

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	4K @ 30Hz
Supported Resolutions	3840x2160 (4K) @ 30Hz
	2560x1600
	1920x1200 @ 60Hz
	1920x1080 (1080p)
	1280x720 (720p)
Wide Screen Supported	Yes
Audio Specifications	Stereo Sound

Connector(s)

Connector A	1 - HDMI (19 pin)
	1 - RJ-45
	2 - RJ-11
	4 - 3.5 mm Mini-Jack (3 Position)
Connector B	1 - HDMI (19 pin)
	1 - RJ-45
	2 - RJ-11
	4 - 3.5 mm Mini-Jack (3 Position)

Special Notes / Requirements

	Note	The ST12MHDLAN4K will only work with ST12MHDLAN4R receivers
		Bandwidth requirement at 4k 30hz resolution is between 480Mbps and 850Mbps (per transmitter and receiver pair)
		Latency at 4K 30hz resolution is 200ms between transmitter and receiver

Indicators

	LED Indicators	1 - Link OK / POWER - Transmitter
		1 - Reset - Transmitter
		1 - Link OK / POWER - Receiver
		1 - 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	5.1 in [13 cm]	
Product Width	4.6 in [11.7 cm]	
Product Height	1.2 in [3 cm]	
Weight of Product	20.9 oz [592 g]	

Packaging Information

Package Quantity	1	
Package Length	14.6 in [37 cm]	
Package Width	9.3 in [23.5 cm]	
Package Height	3.0 in [76 mm]	
Shipping (Package) Weight	5.1 lb [2.3 kg]	

What's in the Box

Included in Package	1 - HDMI over IP transmitter
	1 - HDMI over IP receiver
	2 - universal power adapters (NA, EU, UK, ANZ)
	2 - mounting brackets
	2 - CAT5e cables
	2 - RJ11 to RS232 adapters
	2 - RJ11 cables
	1 - plastic screwdriver
	1 - quick-start guide

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