HDMI over CAT5e HDBaseT Extender - Power over Cable - Ultra HD 4K

Product ID: ST121HDBTE



The StarTech.com HDBaseT extender kit, extends HDMI up to 230 feet (70 Meters) over a single CAT5e or CAT6 cable. The extender supports Ultra HD and Full HD resolutions (4K / 1080p) with support for 3D and the accompanying digital audio. For added versatility, both the transmitter and receiver can be powered by the same single power source using Power Over Cable (POC). The versatility of this video extender makes it an ideal solution for digital signage applications in large buildings such as commercial shopping centers, stadiums, schools, and hospitals.

HDBaseT is a standardized, zero latency, video distribution technology that's revolutionizing HDMI distribution. HDBaseT uses an advanced method of modulation that enables you to distribute uncompressed HDMI audio and video along with additional signals such as 100BaseT Ethernet, IR, RS-232 serial and power over cable.

The extender offers HDBaseT technology with HDMI and Power in a single extender kit, for complete end-to-end solution. Offering greater versatility than traditional HDMI extenders or HDMI cabling alone HDBaseT is the clear choice for every integrator and system designer. The added benefit of power over cable means you'll only need one power source at either side of your extension, great for extending video to areas where power outlets may be limited, such as industrial sites.

With the A/V industry quickly adopting 4K as the new high-resolution video standard, long range video distribution can be a challenge with standard HDMI cables beginning signal degradation at 30 feet.

With support for 4K you'll be amazed at how HDBaseT maintains your Ultra HD picture quality, four times the resolution of high-definition 1080p, even at 130 feet away from your video source. Plus, because the extender supports High-Definition 1080p and lower resolutions at 230 feet away, you can comfortably use this extender to make any video source look great.

This extender has been specially crafted for a smooth, tidy installation. HDBaseT technology allows for single cable installation, for seamless integration using existing CAT5e or CAT6 infrastructure, avoiding the hassle of running multiple Ethernet cables while, reducing potential failure points. Plus, the added benefit of power over cable means you'll only need one power source to power both your extender and receiver, great for extending to areas where power outlets may be limited. Mounting hardware is also included for both the extender and receiver for discrete, professional mounting.

The ST121HDBTE is TAA compliant and backed by a 2-year StarTech.com warranty with free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Extend HDMI when power outlets are limited, with only a single power adapter required at either the Transmitter or Receiver, using Power Over Cable

• Place the display in a convenient viewing area, while the system equipment is placed elsewhere in a clean and secure environment

• Optimize placement of your demo stations at tradeshows and in auditoriums

Features

• Extend video where power outlets are limited with power over cable that powers both the transmitter and receiver using a single power source at either side of the connection

• Maintains astonishing picture quality up to 115 ft. (35 m) away, with support for UltraHD 4K over non-proprietary CAT5e or CAT6 cabling

• Also supports HD video resolutions such as 1920x1200 or 1080p at distances up to 230 ft. (70m)

• Hassle-free, professional installation with included mounting brackets, and full video extension over one CAT5 cable

• 70m (230ft) maximum Cat5 cable distance

• No software/drivers required

• Mounting Hardware Included

• Dolby TrueHD, DTS-HD MA Audio

Hardware

Warranty	2 Years
Ports	1
AV Input	HDMI
AV Output	HDMI
Cabling	Cat 5e UTP or better
Audio	Yes

	Daisy-Chain	No
Performance		
	Maximum Cable Length	229.6 ft [70 m]
	Max Distance	70 m / 230 ft
	Maximum Digital Resolutions	4096 x 2160 (4K) @ 30 Hz (35 meters) 1920 x 1080 (1080p) @ 60 Hz (70 meters)
	Supported Resolutions	3840x2160 (4K) 2560x1600 1920x1200 1920x1080 (1080p) 1280x720 (720p)
	Wide Screen Supported	Yes
	Audio Specifications	7.1 Surround Sound
	MTBF	52,000 hrs.
Connector(s)		
	Connector A	HDMI (19 pin) RJ-45
	Connector B	HDMI (19 pin) RJ-45
Special Notes / Requirements		
	Note	If you want to add more displays, you can daisy chain this product with the HDBaseT repeater ST121HDBTRP.
Indicators		
	LED Indicators	status LED (local) status LED (remote)
Power		
	Power Source	AC Adapter Included

	Input Voltage	100 - 240 AC
	Input Current	0.5A
	Output Voltage	12V DC
	Output Current	1.5A
	Center Tip Polarity	Positive
	Plug Type	M
	Power Consumption (In Watts)	3
Environmental		
	Operating Temperature	0C to 40C (32F to 104F)
	Storage Temperature	-10C to 60C (14F to 140F)
	Humidity	0% - 80 % RH (non-condensing)
Physical Characteristics		
	Color	Black
	Material	Aluminum
	Product Length	3.1 in [80 mm]
	Product Width	2.6 in [67 mm]
	Product Height	1.0 in [25 mm]
	Weight of Product	15.1 oz [428 g]
Packaging Information		
	Package Length	6.1 in [15.6 cm]
	Package Width	9.3 in [23.5 cm]
	Package Height	2.6 in [65 mm]
	Shipping (Package) Weight	2.4 lb [1.1 kg]
What's in the Box		

Included in Package	HDMI over CAT5e/6 transmitter unit
	HDMI over CAT5e/6 receiver unit
	universal power adapter (NA/EU/UK/AU)
	mounting bracket kit
	grounding wires
	instruction manual

Product appearance and specifications are subject to change without notice.