

## Overview

The HDMI Extender Kit Long-Reach (500450-LR) allows HDMI equipment to be connected up to 500ft (150m) @ 1080p 8-Bit via one (1) Cat 5e/6 unshielded twisted pair cables in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.



## Applications

Applications include commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, and medical information systems.

## Key Features

- Supports HDMI 1.3a 1080p 8-bit
- Supports Long Reach extended distances up to 500ft (150m) over Cat5e/6 UTP or STP cable
- Supports IR remote control of end-devices
- Includes IR Emitter (500998) and IR Sensor (500999)

Specification Chart	
<b>Environment</b>	HDMI 1.3a
<b>Devices</b>	DVDs, Blu-ray players, projectors, monitors, TVs, PCs, laptops, servers supporting HDMI.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	148.5MHz
<b>Signals</b>	HDMI 1.3a protocol.
<b>Connectors</b>	One (1) HDMI receptacle. One (1) RJ45S for Cat5e/6 unshielded or shielded twisted pair. One (1) 3.5mm jack for IR Sensor & Emitter (carrier-wave).
<i>Cables not included.</i>	
<b>Max. Distance*</b>	480i/p: Cat 5e/6: 500 ft (150 m) 720p, 1080i: Cat 5e/6: 500 ft (150 m) 1080p 8-Bit: Cat 5e/6: 500 ft (150 m)
<i>*Based on a maximum length of 6.6 ft (2m) of HDMI cable per end.</i>	<i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>
<b>RJ45 Pin Configuration</b>	RJ45  Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)  <i>Reverse Polarity Sensitive Use EIA/TIA 568 A or B, straight-through wiring.</i>
<b>Cable</b>	One (1) Category 5e or better twisted pair cables required.
<b>Power Supply</b>	Two (2) 110-240V/5VDC power supplies with interchangeable blades.
<b>Power Consumption</b>	Transmitter: 4 Watt Receiver: 6 Watt
<b>Temperature</b>	Operating: 0° to 40° C. Storage:-20° to 85° C. Humidity: up to 95% non-condensing.
<b>Enclosure</b>	Aluminum
<b>Dimensions</b>	4.50" x 3.00" x 1.25" (11.4 x 7.6 x 3.2 cm)
<b>Weight</b>	2.6 lb (1.2 kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0
<b>Warranty</b>	2 years
<b>Order Information</b>	500450-LR HDMI Extender Kit Long-Reach, HDBT, UHD-4K (UPC: 627699014509)

**Typical Application Schematic**

