

### Overview:

The KVM HDMI over IP PoE Extender Kit allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supporting 1920x1200 and 1080p resolution @ 60Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500770-TX) and Receiver (500770-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch.

The Transmitter terminates to a computer server/workstation via an HDMI & USB port, The Receiver terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, camera, etc., via a 4 port USB hub. A single Receiver can be switched via hotkey sequences to any Transmitter on the network, allowing a single operator to manage numerous servers/workstations, in a distributed KVM application.

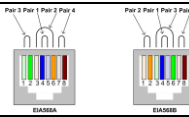
### Applications:

Management of multi-server systems supporting HDMI displays in IT departments within corporations, educational institutions, CAD Design, Graphic Design, Media Servers, and Data Centers.



### Key Features:

- One operator can manage multiple servers/workstations
- Supports HDMI up to 1920x1200 and 1080p @ 60Hz
- Receiver side includes a 4-port USB hub, for KVM applications
- Up to 330ft (100m) over Cat5e/6
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports multiple point-to-point, and point-to-multipoint applications
- Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)

Specifications	
<b>Environment</b>	HDMI 1.4
<b>Devices</b>	Computers and servers with HDMI monitor ports.
<b>Transmission</b>	Transparent to the user
<b>Bandwidth</b>	300MHz
<b>Signals</b>	HDMI 1.4 protocol, HDCP 1.4
<b>Connectors</b>	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. Two (2) 3.5mm jacks for audio insert (on TX)/audio extract (on RX). One (1) 2.1mm locking barrel jack for power One (1) or Four (4) USB Connector(s) for Host (on TX)/Client (on RX) Four (4) DIP Switches for device ID addressing.
<i>Note: Cables not included.</i>	
<b>Maximum Distance</b>	Cat5e/6: 330ft (100m) up to 1920x1200 and 1080p @ 60Hz
<i>Based on a maximum length of 6.6ft (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>Latency</b>	Typical one (1) Frame (16ms), maximum 2 frames (33ms)
<b>Compression</b>	JPEG 2000
<b>Bandwidth</b>	Up to 315Mbps
<b>Network Requirement</b>	1000BaseT with PoE
<b>RJ45 Pin Configuration</b>	<b>RJ45 Link</b> 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 568A or 586B straight-through wiring.</i>	
<b>Cable</b>	One (1) Cat 5e/6 or better twisted pair cables required
<b>Power Source</b>	This device supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply (500993) may be purchased separately.
<b>PoE Standard</b>	IEEE 802.3af
<b>Power Consumption</b>	Transmitter: 2.85Watt                      Receiver: 2.55Watt
<b>Temperature</b>	Operating: 0° to 40°C                      Storage: -20° to 85°C Humidity: Up to 95% non-condensing
<b>Dimensions</b>	4.40" x 5.08" x 1.00" (112mm x 129mm x 25mm)
<b>Weight</b>	1.5lbs (0.68kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS                      Flammability: 94V0
<b>Warranty</b>	2 years
<b>Order Information</b>	500770    KVM HDMI over IP PoE Extender Kit    (UPC: 67699007709) 500770-TX    KVM HDMI over IP PoE Extender TX    (UPC: 67699907702) 500770-RX    KVM HDMI over IP PoE Extender RX    (UPC: 67699807705)
<b>Accessories</b> (These items are sold separately)	500920    16-Port Rackmount Transceiver Chassis 500917    Wall Mount Transceiver Bracket Kit 500993    Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade

## Typical Application

