**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.

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### Specifications

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<td>Note: Cables not included.</td>
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**Maximum Distance**

Based on a maximum length of 6.6ft (2m) of HDMI cable per end. Cat5e/6: 330ft (100m) up to 1920x1200 and 1080p @ 60Hz

**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.

**Latency**

Typical one (1) Frame (16ms), maximum 2 frames (33ms)

**Compression**

JPEG 2000

**Bandwidth**

Up to 315Mbits

**Network Requirement**

1000BaseT with PoE

**RJ45 Pin Configuration**

**Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.**

**Cable**

One (1) Cat 5e/6 or better twisted pair cables required

**Power Source**

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.

**PoE Standard**

IEEE 802.3af

**Power Consumption**

Transmitter: 2.85Watt Receiver: 2.55Watt

**Temperature**

Operating: 0° to 40°C Storage: -20° to 85°C

**Humidity**

Up to 95% non-condensing

**Dimensions**

4.40” x 5.08” x 1.00” (112mm x 129mm x 25mm)

**Weight**

1.5lbs (0.68kg)

**Compliance**

Regulatory: FCC, CE, RoHS Flammability: 94V0

**Warranty**

3 years

**Order Information**

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)

**Accessories**

(These items are sold separately)

500920 16-Port Rackmount Transceiver Chassis
500917 Wall Mount Transceiver Bracket Kit
500993 Univ. Locking Power Supply 5VD/2.6A US/UK/EU Blade

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Typical Application

[Diagram showing a typical application of the KVM HDMI over IP PoE Extender Kit 500770]

Control from any device from anywhere

HDMI Monitor

USM Keyboard

USB Mouse

USB Printer

USB Drawing Pad