

Overview:

The KVM DVI over IP PoE Extender Kit allows DVI & 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 (500771-TX) and Receiver (500771-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch.

The Transmitter terminates to a computer server/workstation via a DVI & USB port, The Receiver terminates to a DVI 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 DVI 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 DVI 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)

Environment	DVI 1.0	
Devices	Computers and servers with DVI monitor ports.	
Transmission	Transparent to the user	
Bandwidth	300MHz	
Signals	DVI 1.0 protocol, HDCP 1.4	
Connectors	One (1) DVI 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>	
Maximum Distance	Cat5e/6: 330ft (100m) up to 1920x1200 and 1080p @ 60Hz <i>Based on a maximum length of 6.6ft (2m) of DVI 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>	
Latency	Typical one (1) Frame (16ms), maximum 2 frames (33ms)	
Compression	JPEG 2000	
Bandwidth	Up to 315Mbps	
Network Requirement	1000BaseT with PoE	
RJ45 Pin Configuration	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)	
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	2 years	
Order Information	500771 KVM DVI over IP PoE Extender Kit (UPC: 627699007716) 500771-TX KVM DVI over IP PoE Extender TX (UPC: 627699907719) 500771-RX KVM DVI over IP PoE Extender RX (UPC: 627699807712)	
Accessories (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

