KVM HDMI over IP PoE Extender, UHD-4K
500772

Overview:

The KVM HDMI over IP PoE Extender, UHD-4K allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supports HDMI up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0) via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500772-TX) and Receiver (500772-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch.

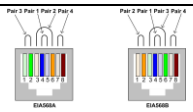
The Transmitter terminates to a computer server/workstation via an HDMI & USB port, The Receiver terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, camera, etc., via a 4 port USB hub. A single Receiver can be switched via hotkey sequences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

Applications:

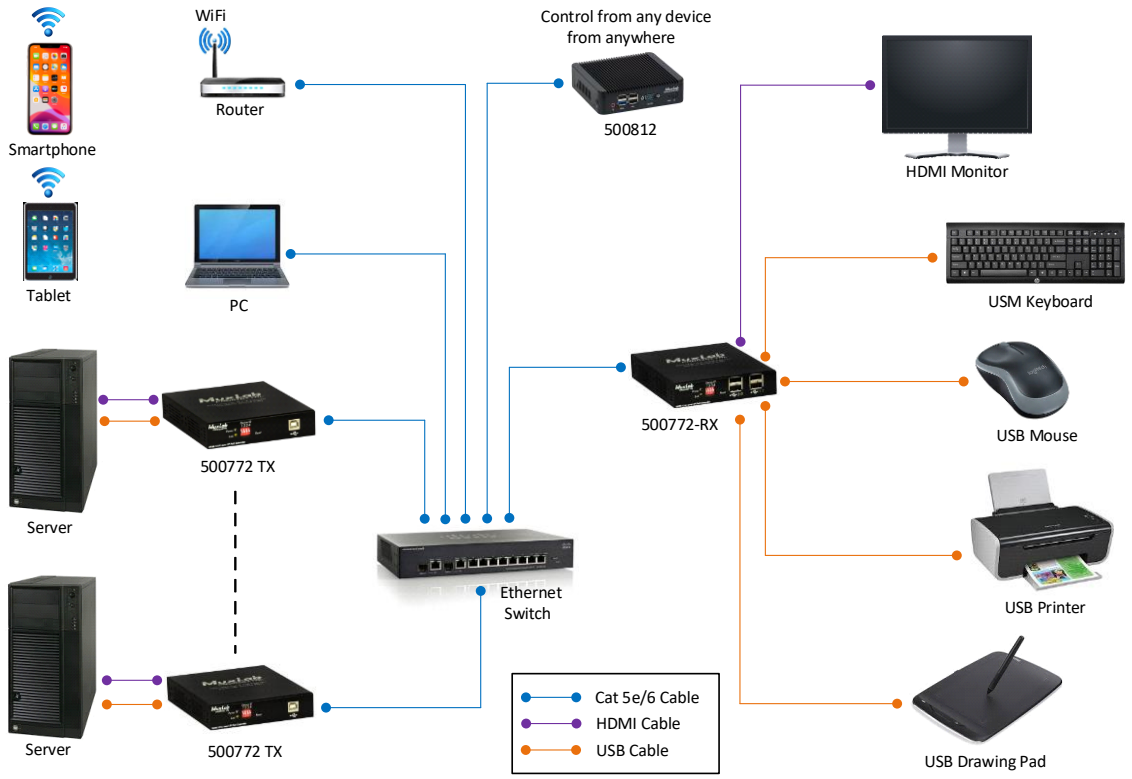
Management of multi-server systems supporting HDMI displays in IT departments within corporations, educational institutions, CAD Design, Graphic Design, Media Servers, and Data Centers.

Key Features:

- One operator can manage multiple servers/workstations
- Supports HDMI up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
- 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 HDR
- Supports PoE powered
- Supports audio insert & audio output (TX), and audio extract & mic-in (RX)

Specifications	
Environment	HDMI 1.4
Devices	Computers and servers with HDMI monitor ports.
Transmission	Transparent to the user
Bandwidth (HDMI)	300MHz
Signals	HDMI 1.4 protocol, HDCP 1.4, HDCP 2.2
Connectors *Note: Cables not included.*	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. Two (2) 3.5mm jacks for audio-in and audio-out (on TX)/audio-out and Mic-In (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.
Maximum Distance *Based on a maximum length of 6.6ft (2m) of HDMI cable per end.*	Cat5e/6: 330ft (100m) up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0) *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 500Mbps
Network Requirement	1000BaseT with PoE
RJ45 Pin Configuration *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**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: 6Watt Receiver: 6Watt
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	500772-TX KVM HDMI over IP PoE Extender TX, UHD-4K (UPC: 627699907726) 500772-RX KVM HDMI over IP PoE Extender RX, UHD-4K (UPC: 627699807729)
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



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