KVM HDMI over IP PoE Extender, 4K@60
500800

Overview:

The KVM HDMI over IP PoE Extender, 4K@60 allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supports HDMI up to 4K @ 60Hz (4:4:4) via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500800-TX) and Receiver (500800-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:

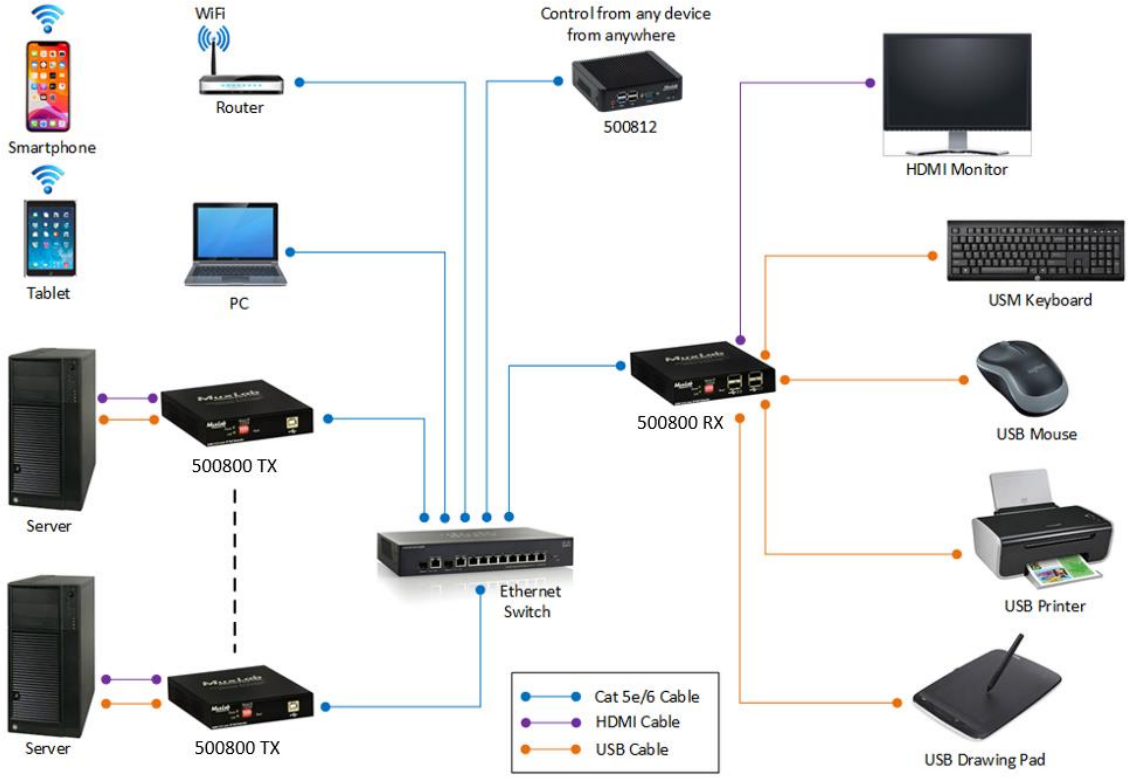
Management of multi-server systems supporting HDMI displays in IT departments within corporations, educational institutions, CAD Design, Graphic Design, Media Servers, and Data Centers.

Key Features:

- One operator can manage multiple servers/workstations
- Supports HDMI up to 4K @ 60Hz (4:4:4)
- 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 2.0
Devices	Computers and servers with HDMI monitor ports.
Transmission	Transparent to the user
Bandwidth (HDMI)	597MHz
Signals	HDMI 2.0 protocol, HDCP 1.4, HDCP 2.2
HDR Color	HDR10 & Dolby Vision
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) 3.5mm jack for directional Infrared port. One (1) DB9 for RS232 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 @ 60Hz (4:4:4) *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 850 Mbps
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: 6 Watt Receiver: 8 Watt
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	6.38" x 5.51" x 1.00" (162mm x 140mm x 25mm)
Weight	1.5lbs (0.68kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500880-TX KVM HDMI over IP PoE Extender TX, 4K/60 (UPC: 627699908006) 500880-RX KVM HDMI over IP PoE Extender RX, 4K/60 (UPC: 627699808009)
Accessories (These items are solseparately)	500917 Wall Mount Transceiver Bracket Kit 500993 Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade

Typical Application



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