

Overview:

The HDMI 4K/60 KVM over IP Extender is based on SDVoE technology and allows HDMI based servers/workstations supporting up to 4K @ 60Hz resolution to be connected and extended to one or more operators that can connect with and manage any of the servers/workstations in a KVM application. The operator may connect a remote monitor, keyboard & mouse and powered audio speakers to any of the servers/workstations being managed. This system also supports Smart Whiteboard applications via the HDMI and USB ports. 100's of servers/workstations may be managed, depending on network bandwidth, utilizing one Receiver for each operator and one Transmitter per server/workstation. Each Transmitter (500760-TX-KVM) and Receiver (500760-RX-KVM) can be connected via Cat5e/6 cable up to 330ft (100m) from a 10Gig Ethernet Switch. The HDMI 4K/60 KVM over IP Extender also supports RS232 and 2-way IR for remote management of end devices.

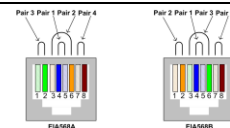
Each unit comes with a 12VDC @ 3A power supply, with multi-blades for North America, UK, Europe and Australia, and also includes a wall mount bracket kit, and IR sensor & emitter for remote management of end devices.

The MuxLab Pro Digital Network Controller is available to simplify centralized configuration and control, software updates and allows for connectivity management from MuxControl and other third party applications running on smartphones and tablets.

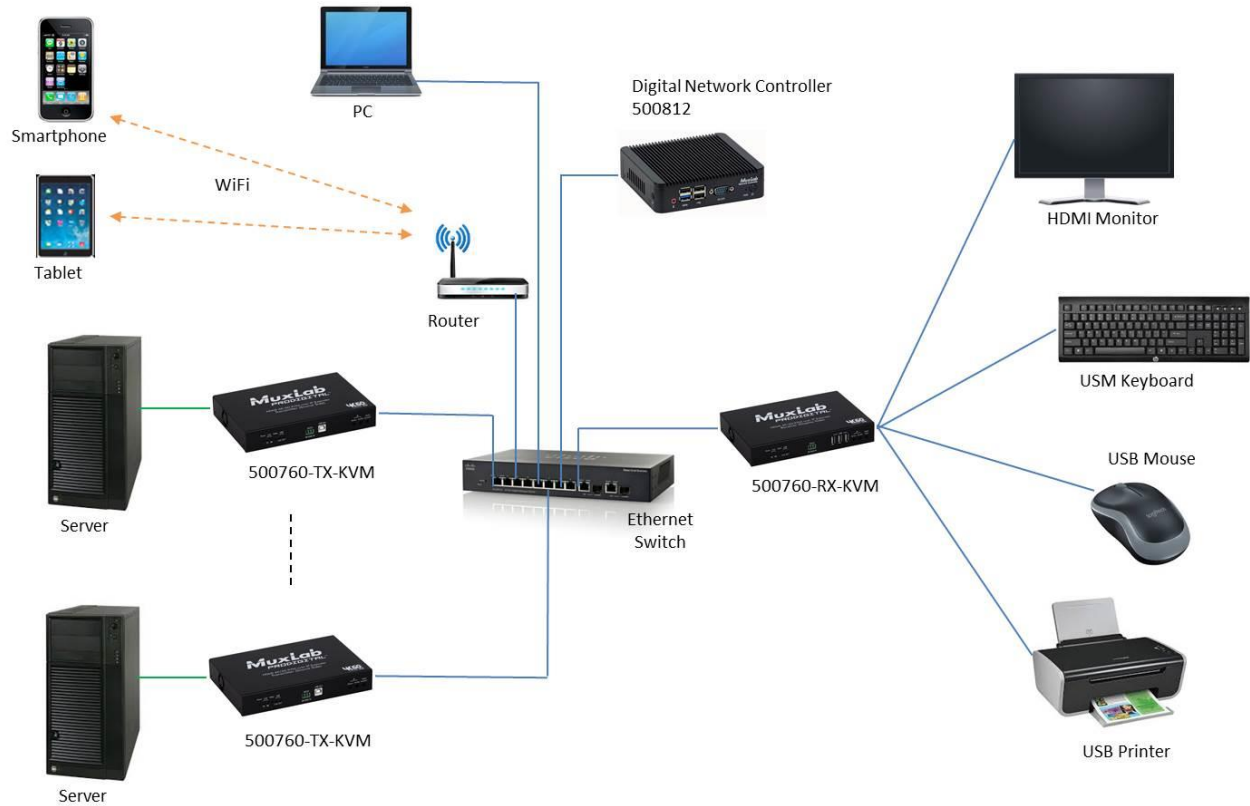


Key Features:

- Supports KVM and Smart Whiteboard applications
- Supports HDMI resolutions up to 4K/60 (4:4:4)
- SDVoE Technology
- Uncompressed up to 4K/60 (4:2:0), and light compression visually lossless at (4:4:4) (with zero latency)
- Transmission up to 330ft (100m) over Cat5e/6
- 1G Ethernet Switch port to connect network devices
- Supports audio Insert (TX) and audio extract (RX)
- Supports RS232 and 2-way IR transmission for remote control
- Includes IR sensor & emitter, and wall mount bracket
- Managed via Pro Digital Network Controller, MuxControl Smartphone & Tablet App, and third party Apps

Specifications	
Environment	HDMI 2.0
Devices	Servers/Workstations/PCs, Smart Whiteboards, Monitors, TVs, and Keyboard & Mouse Devices.
Bandwidth	594MHz
Signals	HDMI 2.0 and HDCP 2.2
Connectors	Connectors per TX and RX: One (1) HDMI receptacle. Two (2) RJ45S for Cat 5e/6 unshielded or shielded twisted pair (for 10GbE and 1GbE ports). Two (2) 3.5mm jacks for IR emitter, IR sensor. One (1) 3.5mm jack for line-level 2CH Audio -In (TX) and Audio-Out (RX). Three (3) USB 2.0 (480Mbps) Type A connectors for KVM (RX). One (1) USB 2.0 (480Mbps) Type B connector for KVM (TX). One (1) 3-Pin Phoenix connector for RS232 (supports up to 115.2K baud rate). One (1) 2.1mm power jack (for DC power). <i>Note: Cables not included.</i>
Maximum Distance	Cat5e/6: 330ft (100m) up to 4K @ 60Hz <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	Zero latency (undetected in human terms)
Compression	Uncompressed up to 4K/60 (4:2:0), and light compression for 4K/60 (4:4:4) only
Network Bandwidth	< 10Gbps
Network Requirement	10Gig Network XFI, IEEE 802.3
IR Frequency	38 to 56KHz
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	Input: 100-240V/1.5A (max) @ 50-60Hz Output: 12DC @ 3A Includes appropriate AC multi-blades per region (US, UK and Euro)
Power Consumption	Transmitter: 16 Watts Receiver: 16 Watts
Temperature	Operating: 0° to 40°C Storage: -20° to 70°C Humidity: 10% to 90% non-condensing
Unit Dimensions	7.7" x 5.2" x 1.3" (195mm x 132mm x 33mm), per unit
Packaging Shipping Weight	3.12lbs (1.42kg), per unit
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500760-TX-KVM HDMI 4K/60 KVM over IP Transmitter (UPC: 627699937600) 500760-RX-KVM HDMI 4K/60 KVM over IP Receiver (UPC: 627699837603)

Typical Application



MuxLab Inc.

2321 Rue Cohen, Montreal, Quebec, Canada, H4R 2N7

Tel: (514) 905 0588 Fax: (514) 905 0589

Toll Free: 1 877 689-5228

E-mail: info@muxlab.com

Website: www.muxlab.com