

Overview:

The HDMI over IP Uncompressed Extender, 4K/60 allows HDMI source equipment supporting up to 4K (3840x2160) resolution @ 60Hz to be connected via Cat5e/6 cable up to 330ft (100m) from a 10G Ethernet Switch, in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations.

The Transmitter and Receiver, also each support a 1G Ethernet Switch port to connect additional network devices, plus a directional IR port and RS232 port for remote control of end devices.

The MuxLab Pro Digital Network Controller (500811) is available to simplify centralized configuration and control, software updates, and allows for management from the MuxLab Control smartphone and tablet App, and third party control Apps.

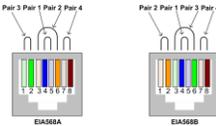


Applications:

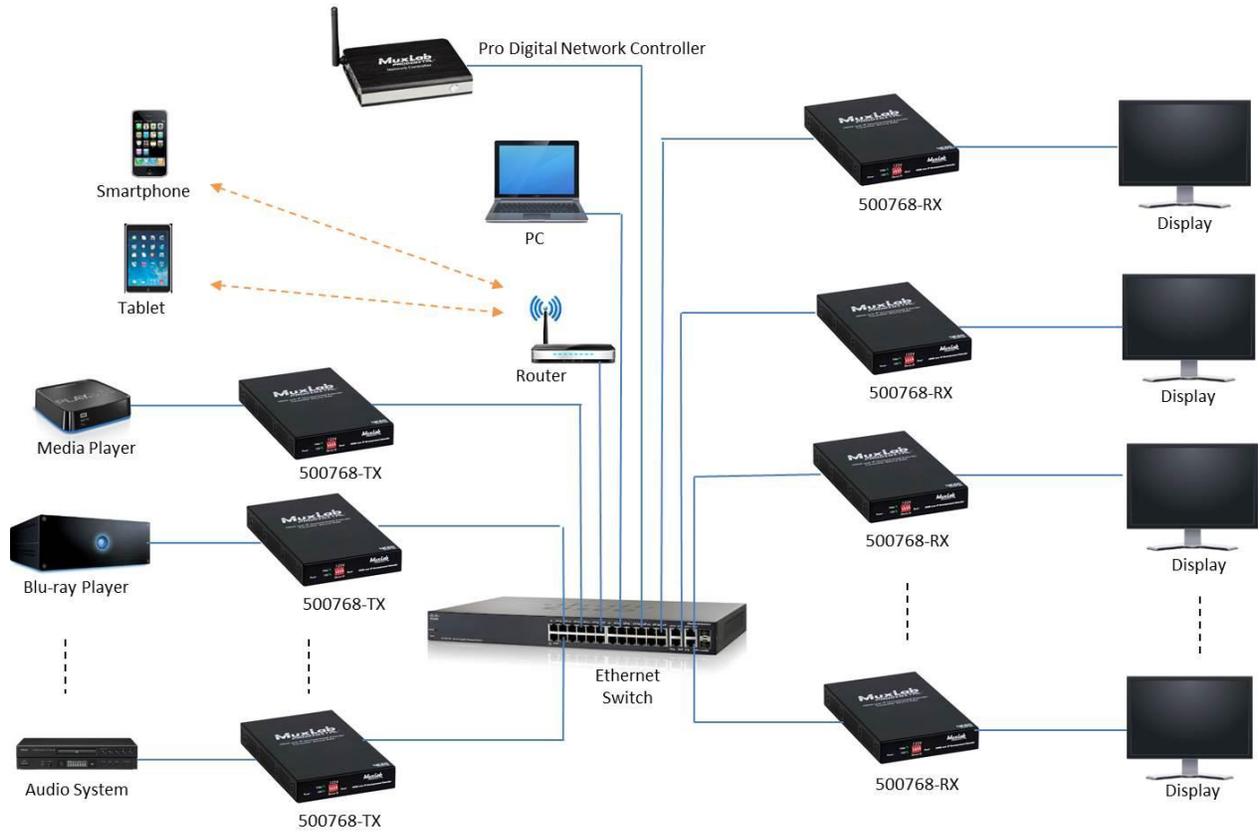
- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

Key Features:

- Supports HDMI up to 4K/60 (4:2:0) between Transmitter and Receiver
- Uncompressed video up to 4K/60 (4:2:0) (zero latency)
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Transmission up to 330ft (100m) over Cat5e/6
- Supports a 10G Ethernet port for communications and a 1G Switch port for additional network devices
- RS232 and directional IR transmission for remote control of end devices
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

Specifications									
Environment	HDMI 2.0 and HDCP 2.2								
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, and media servers supporting HDMI.								
Bandwidth	594MHz								
Signals	HDMI 2.0 protocol								
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). One (1) 3.5mm jack for IR emitter or IR sensor. One (1) 3-pin terminal block connector for RS232. One (1) 2.1mm locking power jack (for DC power).								
<i>Note: Cables not included.</i>									
Maximum Distance	Cat5e/6: 330ft (100m) up to 4K @ 60Hz (4:2:0) <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>								
<i>Based on a maximum length of 6.6ft (2m) of HDMI cable per end.</i>									
Latency	Zero Latency up to 4K/60 (4:2:0).								
Compression	Uncompressed up to 4K/60 (4:2:0).								
Network Bandwidth	< 10Gbps								
Network Requirement	10Gig Network XFI, IEEE 802.3								
IR Frequency	38 to 56KHz								
RJ45 Pin Configuration	<p>RJ45 Link</p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table>  <p><i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i></p>	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)
Pin 1 (R)	Pin 2 (T)								
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Pin 4 (R)	Pin 5 (T)								
Pin 7 (R)	Pin 8 (T)								
Cable	One (1) Cat 5e/6 or better twisted pair cable required								
Power Source	Input: 100-240V @ 50-60Hz Output: 12DC Includes multi-blades for US, UK and EU								
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing								
Dimensions	4.33" x 6.93" x 1" (11cm x 17.6cm x 2.5cm)								
Weight	1.16 lbs (0.53 kg)								
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0								
Warranty	3 years								
Order Information	500768-TX HDMI over IP Uncompressed Transmitter, 4K/60 (UPC: 627699907689) 500768-RX HDMI over IP Uncompressed Receiver, 4K/60 (UPC: 627699907682)								
Accessories	500920 16-Port Rackmount Transceiver Chassis (These items are sold separately) 500917 Wall Mount Transceiver Bracket Kit								

Typical Application



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