

Overview:

The HDMI over IP Uncompressed Extender, 4K/60 allows HDMI source equipment supporting up to 4K (3840x2160) resolution @ 60Hz to be connected via Cat6a/7 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



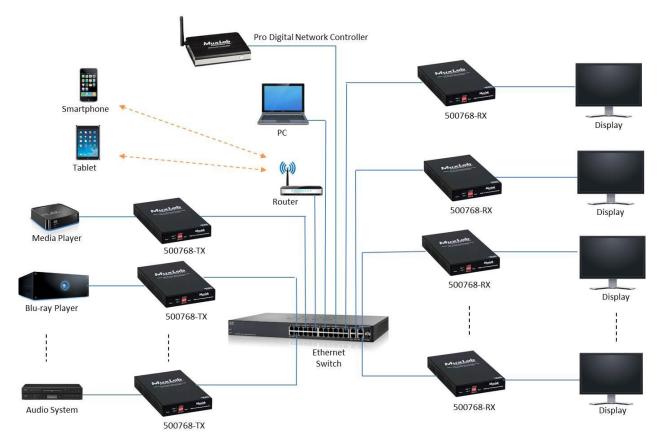
Key Features:

- 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 multipointto-multipoint applications
- Transmission up to 330ft (100m) over Cat6a/7
- 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 2.0b and HDCP 2.2
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, and media servers supporting HDMI.
Bandwidth	297MHz
Signals	HDMI 2.0b protocol, up to 4K @ 60Hz (4:2:0)
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.
Note: Cables not included.	One (1) 2.1mm locking power jack (for DC power).
Maximum Distance	Supports up to 4K @ 60Hz (4:2:0) at 100m over Cat 6a/7 and at 55m over Cat 6
	Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection
Based on a maximum length of 6.6ft (2m) of HDMI cable per end.	reduces the effective distance depending on the grade of twisted cable used.
Latency	Zero Latency
Compression	Uncompressed
Network Bandwidth	< 10Gbps
Network Requirement	10Gig Network XFI, IEEE 802.3
IR Frequency	38 to 56KHz
RJ45 Pin Configuration	RJ45 Link Petra Pe
Reverse Polarity Sensitive. Use EIA/TIA	Pin 1 (R) Pin 2 (T)
568A or 586B straight-through wiring.	Pin 3 (R) Pin 6 (T)
Soon of Sood straight through whiling.	Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) 12346678 12346678
	EAG6A EAG69
Cable	One (1) Cat 5e/6 or better twisted pair cable required
Power Source	Input: 100-240VAC @ 50-60Hz
	Output: 12VDC
T	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: 627699807682)
Accessories	500920 16-Port Rackmount Transceiver Chassis
(These items are sold separately)	500917 Wall Mount Transceiver Bracket Kit
	500990 IR Emitter
	500994 IR Sensor



Typical Application





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