

Overview:

The unit allows HDMI source and display equipment to be extended locally up to 330ft (100m) at up to 1080p @ 60Hz resolution via Cat5e/6 cable in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, in a low bandwidth, flexible, expandable and cost effective manner, without the need to install dedicated cabling systems. The exceptionally low bandwidth requirements of this device allows for streaming audio/video content over WiFi, and over the Internet for distributed installations spread-out throughout the globe. The Receiver supports a USB 3.0 Type A connector for storing local content and both the Transmitter and Receiver may be ordered with optional on board memory. The device supports PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch.

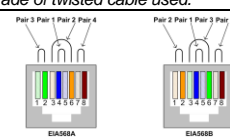


Applications:

- Audio/Video Streaming over the Internet
- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

Key Features:

- Supports HDMI 1.3a up to 1080p @ 60Hz
- HDCP compliant
- H.264/265 compression supports low bandwidth requirement and high image quality
- Suitable for internet and WiFi transmission
- Local transmission up to 330ft (100m) over Cat5e/6
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports RS232 & IR for control of end devices
- IP managed for remote control
- Control via any web device (mobile, tablet) with use of model 500811 (Pro Digital Network Controller)
- PoE powered

Specifications	
Environment	HDMI 1.3a
Devices	Blu-Ray, Set Top Boxes, Media Players/Streamers, projectors, monitors, TVs, PCs, supporting HDMI.
Signal Protocol/Standard	HDMI 1.3a, and HDCP compliant
Video Bandwidth	225MHz
Network Bandwidth	30Mbps (max)
Connectors	One (1) HDMI connector for AV (Input on TX and Output on RX). One (1) RJ45S for Ethernet connection (on TX and RX). One (1) USB connector for local AV content storage (RX). One (1) TosLink optical connector for digital audio extraction (on RX). One (1) 3.5mm connector for audio imbedding/extraction (input on TX and output on RX). One (1) 3.5mm connector for directional IR (on TX and RX – direction controllable via software). One (1) RS232 DB9 connector for controlling end devices (on TX and RX). One (1) 2.1mm locking power connector (on TX and RX).
Cables <i>Note: Cables not included.</i>	One (1) Cat 5e/6 or better twisted pair cables required for Ethernet. One (1) HDMI cable for connecting to source (TX side) or sink (RX side) devices. Optional: One (1) RS232 cable for end device control, and one (1) optical cable for digital audio extraction.
Maximum Distance	Cat5e/6: 330ft (100m) from Ethernet Switch. The unit can extend over the Internet for unlimited distance. <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>
RJ45 Pin Configuration <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>	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) <div style="text-align: center;">  </div>
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	IEEE 802.3af
Power Consumption	4.5W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	4.4" x 4.6" x 1.0" (111mm x 120mm x 25mm)
Weight	1.5lbs (0.7kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500762-TX HDMI over IP H.264/H.265 PoE Transmitter, 1080p 500762-RX HDMI over IP H.264/H.265 PoE Receiver, 1080p
Accessories <i>(These items are sold separately)</i>	500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit 500990 IR Emitter, and 500994 IR Sensor 500993 Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade

Typical Application

