

**Overview:**

The HDMI / RS232 over IP Extender Kit with PoE allows HDMI equipment to be connected up to 330 ft. (100m) @ 1080p via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is possible by connecting several encoders and decoders to the same Ethernet network. The Encoder (500753-TX) and Decoder (500753-RX) also support PoE (PD) if used with a PoE Ethernet Switch. The kit comes with one (1) Encoder and one (1) Decoder as well as an IR Emitter and IR Sensor for remote control applications.

For the point-to-multipoint and multipoint-to-multipoint configuration the Ethernet switch must have Gigabit ports, DHCP Server capability and IGMP communications protocol. We recommend using the Cisco SG300 Series Managed Switches.

A MuxLab Management Software is available to simplify the configuration and utilization of the 500753. The software can be downloaded from the MuxLab Web Site; <http://muxlab.com/hdmi-over-ip-management-software>.



**Features:**

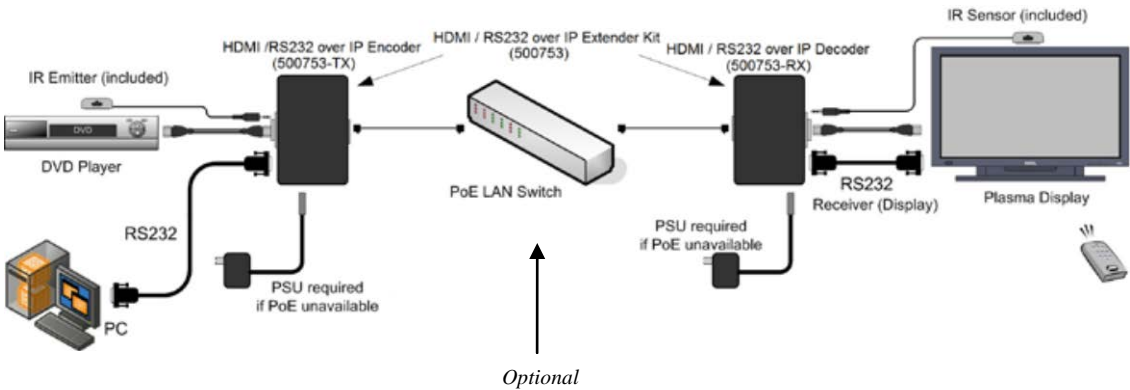
- HDMI 1.3, PoE powered
- Supports up to 1080p resolutions
- Supports IR, and RS232 transmission
- Motion JPEG compression with Very low latency
- Transmission up to 330 ft. (100m) over Cat5e/6
- Compatible VGA over IP with RS232
- Up to 390 ft (120m) between the TX and RX when no LAN switch is used
- Control via Windows-based software or via any web device (mobile, tablet) with use of model 500810 (Pro Digital Network Controller).

<b>Environment</b>	HDMI 1.3a	<b>Cable</b>	One (1) Cat 5e/6 or better twisted pair cables required
<b>Devices</b>	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.	<b>Power Supply</b>	Two (2) 110-240V/5VDC power supplies with interchangeable blades
<b>Transmission</b>	Transparent to the user	<b>PoE</b>	IEEE 802.3af
<b>Bandwidth</b>	225 MHz	<b>Power Consumption</b>	Transmitter: 2.9 Watt Receiver: 1.8 Watt
<b>Signals</b>	HDMI 1.3a protocol	<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
<b>Connectors</b>	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. One (1) 3.5mm jacks for IR emitter/sensor. One (1) DB9 Serial Port Connector Four (4) DIP Switches for device ID addressing. <i>Note: HDMI cables not included.</i>	<b>Enclosure</b>	Metal black
<b>Maximum Distance</b> <i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i>	Cat5e/6: 330 ft (100 m) up to 1080P Cat5e/6: 400 ft (120 m) when used point to point without hub. <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>	<b>Dimensions</b>	4.40" x 3.00" x 1.00" (11.2 x 7.6 x 2.5 cm)
<b>Latency</b>	One (1) Frame	<b>Weight</b>	1.1 lb (0.5 kg)
<b>Compression</b>	Motion JPEG	<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0
<b>Bandwidth</b>	60Mbps	<b>Warranty</b>	2 years
<b>Network Requirement</b>	100BaseT for Point to Point; 1000BaseT for other configuration	<b>Order Information</b>	500753 HDMI / RS232 Over IP Extender Kit with PoE (UPC: 627699007532) 500753-TX HDMI / RS232 Over IP Encoder with PoE (UPC: 627699907535) 500753-RX HDMI / RS232 Over IP Decoder with PoE (627699807538)
<b>IR Frequency</b>	38KHz		
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.</i>	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T)		

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## 500753

**Typical Application:**



**Product Photos:**

