

Overview:

The HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K is a two-gang wall plate transmitter which provides a convenient interface for HDMI and VGA input sources. It allows HDMI and VGA equipment to be extended up to 330ft (100m) from an Ethernet Switch via one (1) Cat5e/6 cable. The unit supports one (1) HDMI-In, one (1) VGA-In and one 2CH Audio-In, and supports resolutions up to 4K (3840x2160) @ 30Hz for HDMI and 1920x1200 @ 60Hz for VGA. The input selection between HDMI and VGA inputs may be locally or remotely selected, and supports auto and manual switching modes with LED indicators. This device may be used with the MuxLab 500758-RX and 500759-RX over IP Receivers, all managed via the 500811 Network Controller. The device supports PoE (PD) for easy installation.




Key Features:

- Selectable HDMI and VGA inputs
- HDMI 2.0b up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
- VGA 1920x1200 @ 60Hz, with 2CH Audio-In
- HDCP 2.2 compliant
- Remotely managed over IP & locally managed via push button
- Auto and manual switching modes, with LED indicators
- Compatible with 500758-RX and 500759-RX over IP Receivers
- PoE powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control Smartphone & Tablet App & 3rd Party Control Apps

Applications:

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

Specifications									
Environment	HDMI 2.0b								
Devices	TVs, monitors, projectors supporting HDMI.								
Signal Protocol/Standard	HDMI 2.0b and HDCP 2.2.								
Video Resolution	HDMI: Up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0) VGA: Up to 1920 x 1200 @ 60Hz								
Video Bandwidth	300MHz								
Audio Bandwidth	20Hz to 20KHz (2 CH)								
Network Bandwidth	500Mbps (Typ), up to 800Mbps (Max).								
Network Requirement	1G Network via PoE Ethernet Switch supporting IGMP and Jumbo Frames.								
Network Protocol	Multicast								
Compression	JPEG2000								
Latency	16.7ms typ. (1 Frame), up to 33.4ms max. (2 frames).								
Connectors	One (1) HDMI input connector for Audio/Video One (1) VGA input 15-Pin DSUB connector for Video One (1) 3.5mm input jack for 2CH Audio One (1) RJ45S for Ethernet connection One (1) 2.1mm locking power connector, for optional use since this device supports PoE (PD)								
Maximum Distance	Cat5e/6: 330ft (100m) from Ethernet Switch. <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	<p>RJ45 Link</p> <table style="display: inline-table; border: none;"> <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>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</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)								
Pin 3 (R)	Pin 6 (T)								
Pin 4 (R)	Pin 5 (T)								
Pin 7 (R)	Pin 8 (T)								
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	3W								
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing								
Wall Plate Size	2 Gang								
Dimensions	5.00" x 4.53" x 1.65" (127 x 115 x 42 mm)								
Weight	1.17 lb (0.53 kg)								
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0								
Warranty	3 years								
Order Information	500773-TX HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K, AL (UPC: 627699907733) 500773-TX -WH HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K, WH (UPC: 627699917732) (Front plate color available in Aluminium and White)								
Compatible Receivers	500758-RX, 500759-RX, 500770-RX and 500771-RX								
Accessories (This item is sold separately)	500993 Universal Locking Power Supply 5VDC/2.6A US/UK/EU Blade								

Typical Application

