

Overview:

The HDMI/VGA/USB over IP PoE Wall Plate Transmitter, 4K/30, DECO installs in a standard Decora size 2-gang electrical box to provide a convenient interface for HDMI / VGA input sources to be extended to one or more displays, and USB 2.0 connectivity to manage Smart White Boards and other USB based devices. The unit has one HDMI-In, one VGA-In with Audio-In, one USB Type-B port, and one Ethernet Port. It supports video up to 3840x2160 @ 30Hz, and VGA up to 1920x1200 @ 60Hz. The HDMI/VGA/USB over IP PoE Wall Plate Transmitter, 4K/30, DECO allows HDMI, VGA and USB equipment to be extended up to 330ft (100m). The unit supports a push button switch and auto switching to select between the HDMI and VGA inputs. The device may be powered via a PoE enabled 1Gig Ethernet Switch



Applications:

- Commercial and residential AV systems
- K6 and K12 classroom AV systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

Key Features:

- HDMI 2.0b up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
- VGA 1920x1200 @ 60Hz, with 2CH Audio-In
- Selectable HDMI / VGA with Audio inputs, with auto switching capability
- Fits in a standard 2-gang Decora size electrical box
- Remotely managed over IP & locally managed via push button
- Extend HDMI, VGA with 2CH Audio, and USB 2.0 up to 330ft (100m) over Cat5e/6 cable
- HDCP 2.2 compliant
- Compatible with 500777-RX, 500759-RX, 500770-RX and 500771-RX over IP Receivers
- PoE powered
- Managed via Pro Digital Network Controller (500811), MuxControl App & 3rd Party Control Apps

Specifications	
Environment	HDMI, VGA and USB connectivity.
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, servers, and Smart White Boards.
Bandwidth	300MHz
Signals	HDMI 2.0b (4K/30 4:4:4 & 4K/60 4:2:0), VGA (1920x1200), USB 2.0 and HDCP 2.2.
Connectors	One (1) HDMI receptacle. One (1) Female DB15 connector for VGA. One (1) USB Type B connector. One (1) RJ45S for Ethernet connectivity. One (1) 3.5mm jack for Audio-In. One (1) 2.1mm jack for power.
<i>Note: Cables not included.</i>	
Maximum Distance	Cat5e/6: 330ft (100m)
<i>Based on a maximum length of 6.6ft (2m) of HDMI cable per end.</i>	<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>
Latency	Typical one (1) frame (16ms)
Compression	JPG2000
Bandwidth	Up to 500Mbps
Network Requirement	1 Gig Ethernet with IGMP, Jumbo Frames and PoE
RJ45 Pin Configuration	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)
<i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>	
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	6W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	4.53" x 4.53" x 2.05 (115mm x 115mm x 52mm)
Weight	1.35lb (0.61kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500777-TX-DECO HDMI/VGA/USB over IP PoE Wall Plate Transmitter, 4K/30, DECO (UPC: 627699927779)
Compatible Receivers	500777-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

