

Overview:

The HDMI/VGA/USB over IP PoE Wall Plate Transmitter, UHD-4K installs in a double-gang wall 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, UHD-4K 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

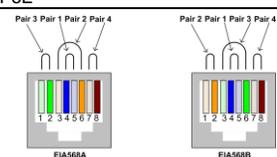


Applications:

- 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
- 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 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

| 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>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 | <p>RJ45 Link</p> <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)</p>  <p>The diagram shows two RJ45 pin configurations: EIA568A (T568A) and EIA568B (T568B). In EIA568A, the pins are colored: 1 (blue), 2 (white/blue), 3 (white/green), 4 (white/orange), 5 (white/red), 6 (orange), 7 (green), 8 (brown). In EIA568B, the pins are colored: 1 (orange), 2 (white/orange), 3 (white/green), 4 (white/blue), 5 (white/red), 6 (green), 7 (white/green), 8 (brown). Labels above the diagrams indicate Pair 3, Pair 1, Pair 2, and Pair 4.</p> |
| 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 |
| Dimensions | 5.03" x 4.53" x 1.66 (128mm x 115mm x 42mm) |
| Weight | 1.35 lb (0.61 kg) |
| Compliance | Regulatory: FCC, CE, RoHS Flammability: 94V0 |
| Warranty | 3 years |
| Order Information | 500777-TX HDMI/VGA/USB over IP PoE Wall Plate Transmitter, UHD-4K, AL (UPC: 627699907771) 500777-TX-WH HDMI/VGA/USB over IP PoE Wall Plate Transmitter, UHD-4K, WH (UPC: 627699917770) (Front plate color available in Aluminium and White) |
| Compatible Receivers | 500758-RX, 500759-RX, 500770-RX and 500771-RX |
| Accessories | 500993 Universal Locking Power Supply 5VDC/2.6A US/UK/EU Blade |
| (This item is sold separately) | |

Typical Application

