

**Overview:**

The HDMI/VGA/USB IP Wall Plate Transmitter 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 IP Wall Plate Transmitter 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.



**Key Features:**

- Extend HDMI, VGA with 2CH Audio, and USB 2.0 up to 330ft (100m) over Cat5e/6 cable
- Supports HDMI video up to 4K (3840x2160) @ 30Hz
- Supports VGA video up to 1920x1200
- Selectable HDMI / VGA with Audio inputs, with auto switching capability
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports 100's of devices depending on network bandwidth
- PoE powered
- Controllable via IP Device Controller (AV-IP-NC811)

**Applications:**

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

Specifications	
<b>Environment</b>	HDMI, VGA and USB connectivity.
<b>Devices</b>	Blu-Ray, projectors, monitors, TV, PC, laptops, servers, and Smart White Boards.
<b>Bandwidth</b>	300MHz
<b>Signals</b>	HDMI 1.4 (4K/30), VGA (1920x1200), USB 2.0 and HDCP 2.2.
<b>Connectors</b>	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-lin. One (1) 2.1mm jack for power.
<i>Note: Cables not included.</i>	
<b>Maximum Distance</b>	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>
<i>Based on a maximum length of 6.6ft (2m) of HDMI cable per end.</i>	
<b>Latency</b>	Typical one (1) frame (16ms)
<b>Compression</b>	JPG2000
<b>Bandwidth</b>	Up to 500Mbps
<b>Network Requirement</b>	1 Gig Ethernet with IGMP, Jumbo Frames and PoE
<b>RJ45 Pin Configuration</b>	<p><b>RJ45 Link</b></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>
<b>Power Source</b>	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 may be purchased separately (see West Penn Wire website product page for more details).
<b>PoE</b>	IEEE 802.3af
<b>Power Consumption</b>	3W
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
<b>Dimensions</b>	5.03" x 4.53" x 1.66 (128mm x 115mm x 42mm)
<b>Weight</b>	1.35 lb (0.61 kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0
<b>Warranty</b>	3 years
<b>Order Information</b>	AV-IP-WP772-AL HDMI/VGA/USB IP Wall Plate Transmitter (Aluminum) (UPC: 612825417705) AV-IP-WP772-WH HDMI/VGA/USB IP Wall Plate Transmitter (White) (UPC: 612825417682)
<b>Companion Product</b>	May be paired with the HDMI/USB IP Receiver (model AV-IP-RX-776)

**Typical Application**

