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.

Applications:

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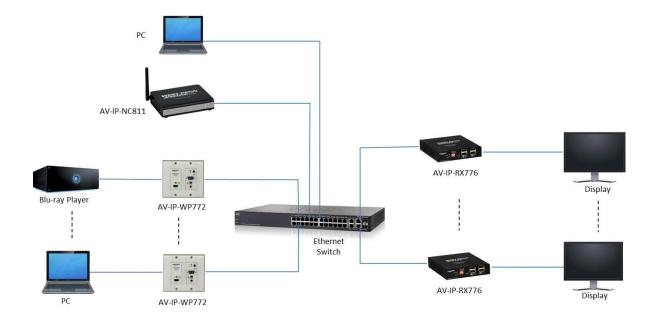
Key Features:

- 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)

Specifications	
Environment	HDMI, VGA and USB connectivity.
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, servers, and Smart White Boards.
Bandwidth	300MHz
Signals	HDMI 1.4 (4K/30), VGA (1920x1200), USB 2.0 and HDCP 2.2.
Connectors *Note: Cables not included.*	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-Iin. One (1) 2.1mm jack for power.
Maximum Distance *Based on a maximum length of 6.6ft (2m) of HDMI cable per end.*	Cat5e/6: 330ft (100m) *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.*
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 *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**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)
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 may be purchased separately (see West Penn Wire website product page for more details).
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	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)
Companion Product	May be paired with the HDMI/USB IP Receiver (model AV-IP-RX-776)

Typical Application