ASW-WP Technical Specifications
VGA & Audio, HDMI Converter/Switcher/HDBaseT Extender
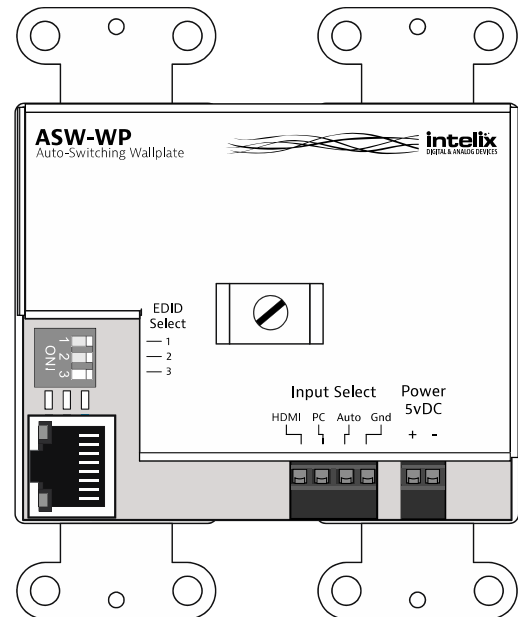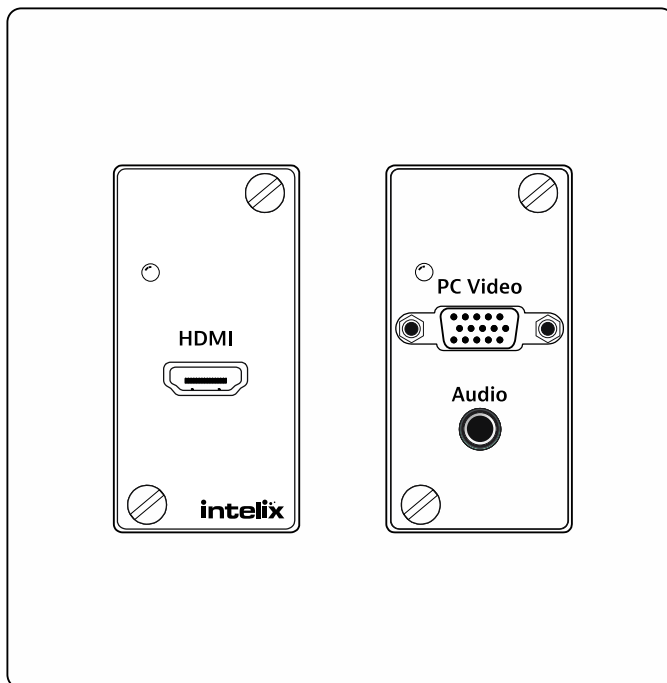Rev. 130513

The Intelix ASW-WP is a two-gang, Decora-style wall plate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features VGA + Audio to HDMI conversion and an HDMI input. The unit will detect which input has an active video input, and switch to that input – if both inputs are active, the VGA input will take precedence. There are additional contact closure inputs provided on the rear of the unit to allow third party control. RS232 control of the ASW-WP can be accomplished by connecting to the RS232 port on a compatible receiver.

The ASW-WP utilizes HDBaseT technology to extend the digital output up to 60 meters away using standard Cat5e cable. This transmitter device is compatible with several Intelix HDBaseT receivers, but is designed to work primarily with the DIGI-HD60C-R. The unit features multiple EDID modes to eliminate user confusion, and incompatible video formats.

The ASW-WP can be powered from the rear panel, or by Power over HDBaseT (PoH). Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations.

The ASW-WP can be programmed to control the connected display. The display manufacturer's RS232 commands can be entered into the ASW-WP with the use of Intelix Display Control software. This allows display power and input to be automatically controlled based on video activity, eliminating the need for a third party control system in many installations.

8001 Terrace Ave.
Suite 201
Middleton, WI 53562

Phone: 608-831-0880
Toll-Free: 866-462-8649
Fax: 608-831-1833

Technical Specifications

I/O Connections

HDMI Input	One (1) HDMI Type A Receptacle (Front)
VGA Input	One (1) Female PC Video HD-15-F Connector (Front)
PC Stereo Audio	One (1) 3.5 mm TRS Receptacle (Front)
HDBaseT Port	One (1) 8P8C port (Shielded RJ45)
Power	One (1) 2 Position Euroblock Connector
EDID Dipswitches	Three (3) 2 position switches
Contact Closures	One (1) 4 position Euroblock Connector

Supported Audio and Video

HDMI Video Resolutions	SMPTE: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p VESA: Resolutions up to 4k Color Depth: 24, 30, 36, 48bit
VGA Video Resolutions	SMPTE: 480p@60hz, 576p@60hz, 720p@60hz , 1080p@60hz VESA: • 640x480, 800x600, 1024x768, 1280x768, 1280x800, 1280x1024, 1600x1200, 1680x1050, 1920x1200(RB) – @60hz • 640x480, 800x600, 1024x768, 1280x1024 - @75hz • 640x480, 800x600, 1024x768, 1280x1024 - @85hz • 1024x768 - @70hz • 640x480, 800x600 - @72hz
Maximum Video Compatibility at 60 m	Deep Color 36/30/24 Bit at 1080p (HDMI Input)
Maximum Video Compatibility at 40 m	Deep Color 48 Bit at 1080p, 3D (HDMI Input)
Video Compliance	HDMI and HDCP (Selectable)
HDMI Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
PC Embedded Audio	Analog stereo line-level (Converted to 2ch 24bit PCM 48kHz)
ARC (Audio Return Channel)	No
HEC (HDMI Ethernet Channel)	No
CEC (Consumer Electronics Control)	Yes (HDMI Pass-through Only)
Baud Rate (Wall plate control)	9600
Supported Baud Rates (Display Control)	9600, 19200, 57600, 115200

HDBaseT Signal Characteristics

Maximum Distance	60 m
Cable Requirements	Category 5e, 6, or 6A with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Gain	0 dB – 10 dB at 100 MHz
Signal to Noise Ratio (SNR)	> 70 dB at 100 MHz over 100 m
Return Loss	< -30 dB at 5 KHz
Total Harmonic Distortion (THD)	< 0.005% at 1 KHz
Min-Max Signal Level	< 0.3 V – 1.45 Vp-p
Differential Phase Error	±10° at 135 MHz over 100 m

Chassis and Environmental

Construction	Black painted metal plate (Back Cover)
Faceplate Colors	White, Almond (Sold Separately), Black (Sold Separately) – ABS Plastic
Dimensions	114mm x 116mm x 35mm (4.49 in. x 4.57 in. x 1.38 in.)
Shipping Weight	0.45 kg (1 lbs.)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

Power, ESD, and Regulatory

Power Supply	5vDC 2A or PoH (Power-Over-HDBaseT)
Power Consumption	10 watts
Automatic Standby Mode	30 minutes no signal
ESD Protection	16kV
Regulatory	CE, RoHS

Other

Warranty	2 years
Diagnostic Indicators	Front Panel: Two (2) Bicolor LED: Blue, (Purple), Amber HDBaseT: Three (3) SMDs: Heartbeat – Blue, Link – Yellow, HDMI – Green
Included Accessories	White Faceplate Set and Installation Manual
HDBaseT Receiver (A/V, PoH, Control) Compatibility	DIGI-HD60C-R
HDBaseT Receiver (A/V, Control) Compatibility	DIGI-HDE-R, FLX-BI4
HDBaseT Receiver (A/V Only) Compatibility	DIGI-HD70-R

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.

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