

## AS-1H1V-WP Technical Specifications

HDMI and VGA Auto-Switching Wallplate  
Rev 160804

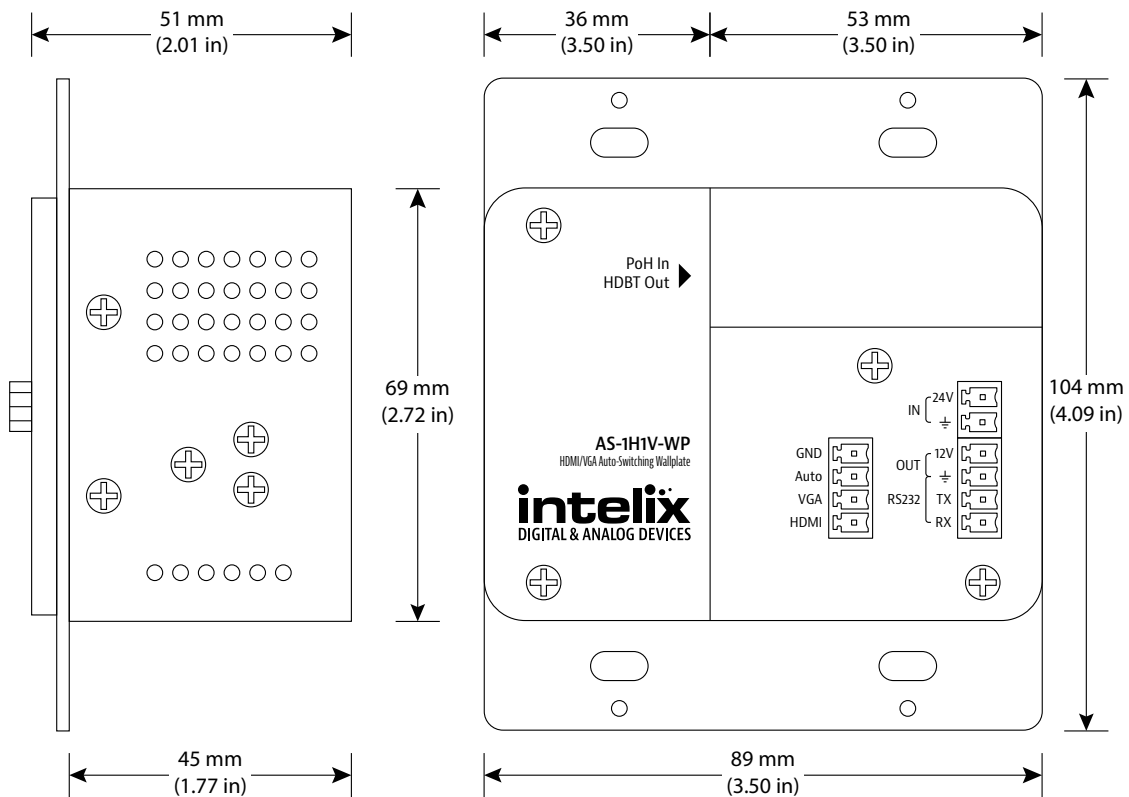
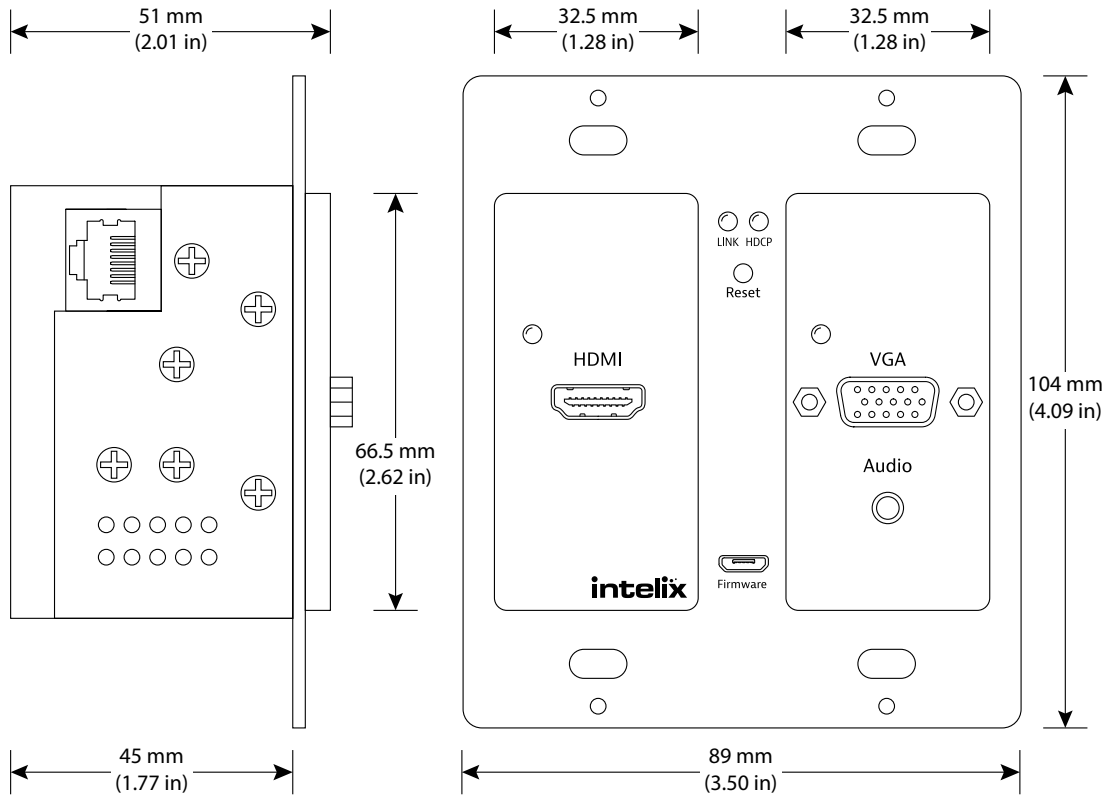
The Intelix AS-1H1V-WP is a two-gang, Decora-style wallplate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features VGA + Audio to HDMI conversion with VGA scaling up to 1920x1200 and an HDMI input.

The AS-1H1V-WP utilizes HDBaseT technology to extend the digital output up to 70 meters away using solid core shielded Category 5e or greater 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 AS-1H1V can be powered from the rear panel or by Power over HDBaseT (PoH), including midspan injectors that support Power over Ethernet (PoE) Alternative A or Alternative B. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. The AS-1H1V-WP also features a customizable power management system, which will put the unit into a low power state after no video for 30 minutes or being inactive for 3 hours by default. When using the local power input, 12V DC is available for other devices on the power output connections on the rear of the device.

The AS-1H1V-WP will detect which input has an active video input, and switch to that input – if both inputs are active, the “last in” will be selected. There are additional contact closure inputs provided on the rear of the unit to allow third party control. RS232 control of the AS-1H1V-WP can be accomplished by connecting to the RS232 port on a compatible receiver, such as a DIGI-HD60C-R, or through a direct connection on the RS232 input of the device.

The AS-1H1V-WP can be programmed to control the connected display. The display manufacturer’s RS232 commands can be entered into the AS-1H1V-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.



<b>Input/Output Connections</b>	
HDMI Input	One (1) HDMI Type A Receptacle
VGA Input	One (1) PC Video HD-15-F Receptacle
Analog Audio	One (1) 3.5 mm TRS Receptacle
HDBaseT Port	One (1) 8P8C port (Shielded RJ45)
Power	One (1) 2-pin Removable Terminal Block Connector
RS232 Port with 12V DC Output	One (1) 4-pin Removable Terminal Block Connector
Contact Closures	One (1) 4-pin Removable Terminal Block Connector
Firmware Port	One (1) USB Type B Micro Receptacle
<b>Supported Audio, Video and Control</b>	
Video Resolutions	SMPT: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 (HDMI only) VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36, 48bit
VGA Scaling Resolutions (60 Hz)	1024x768, 1400x1050, 1600x1200, 1280x800, 1360x768, 1920x1200, 720p, 1080p
Maximum Video Compatibility at 70 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 40 m	Deep Color 48 Bit at 1080p, 3D (HDMI Input), UHD/30
Video Compliance	HDMI 1.4 and HDCP 1.4
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Analog 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)	2400, 4800, 9600 (default), 19200, 38400, 57600, 115200
Supported Baud Rates (Display Control)	2400, 4800, 9600, 19200, 38400, 57600, 115200
<b>HDBaseT Signal Characteristics</b>	
Maximum Distance	70 m (229 ft)
Cable Requirements	Continuous solid core Category 5e or greater with TIA/EIA-568B crimp pattern (no couplers in-line)
Bandwidth	10.2 Gbps
HDBaseT Chipset	VS010TX
<b>Chassis and Environmental</b>	
Construction	Aluminum Housing
Dimensions (H x W x D)	104 mm x 89 mm x 51 mm (4.09 in x 3.50 in x 2.01 in)
Shipping Weight	0.68 kg (11.5 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
<b>Power and Regulatory</b>	
Power Supply	12V DC 2A or 48V DC PoH (Power over HDBaseT)
Power Output Port	12V DC, 500 mA
Power over Ethernet (PoE) Compatibility	802.3af Alternative A and Alternative B
Power Consumption	10 watts
Default Automatic Standby Mode	30 minutes no signal
ESD Protection	16kV
Regulatory	CE, RoHS
<b>Other</b>	
Warranty	2 years
Diagnostic Indicators	HDCP, Link, VGA, and HDMI
Reset Switch	Microswitch
Available Models	AS-1H1V-WP-W (White Faceplate and Painted Insert), AS-1H1V-WP-B (Black Faceplate and Painted Insert)
Included Accessories	Installation Guide, Power Supply, Two (2) 4-pin Removable Screw Terminals, RS232 cable (3-pin to DE9), 2-pin Removable Screw Terminal, USB Programming Cable
HDBaseT Receiver (A/V, PoE, Control) Compatibility	DIGI-HD60C-R, DIGI-HDX-R, FLX-64, DIGI-BSR-4K
HDBaseT Receiver (A/V, Control) Compatibility	FLX-BI4
HDBaseT Receiver (A/V and PoE) Compatibility	DIGI-HD60-R

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.