

AS-1H1DP-WP Technical Specifications

HDMI and DisplayPort Auto-Switching Wallplate

Rev 160804

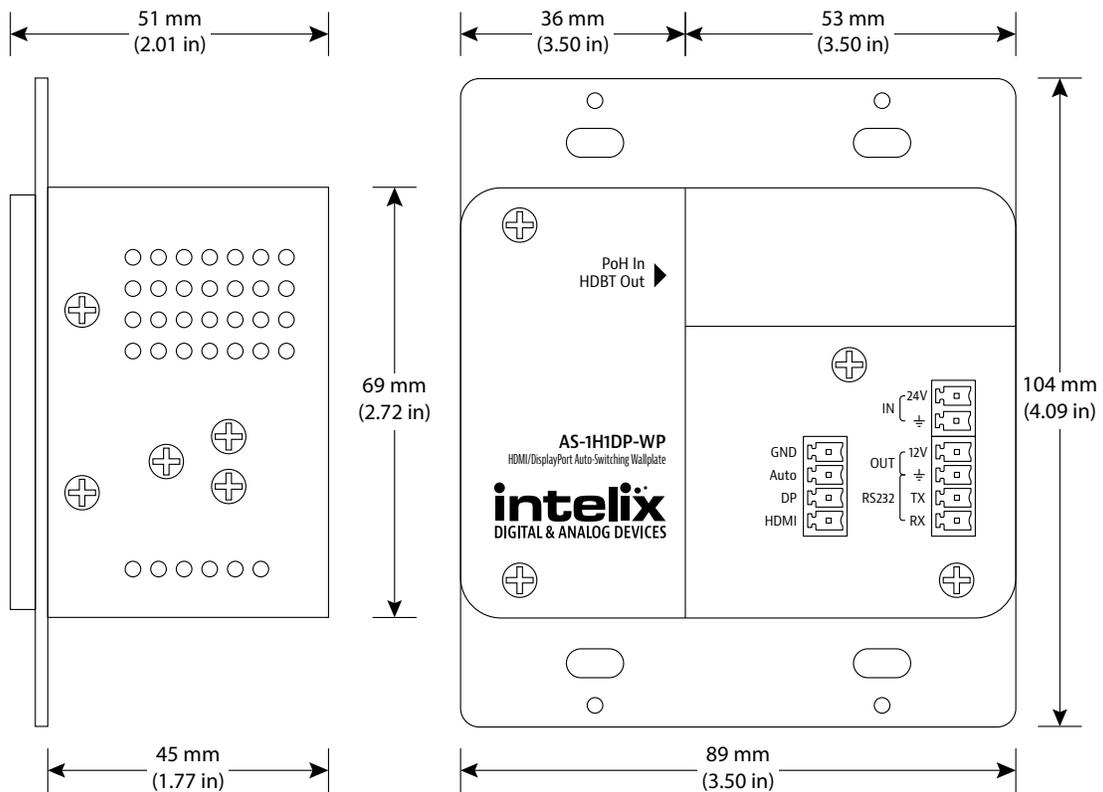
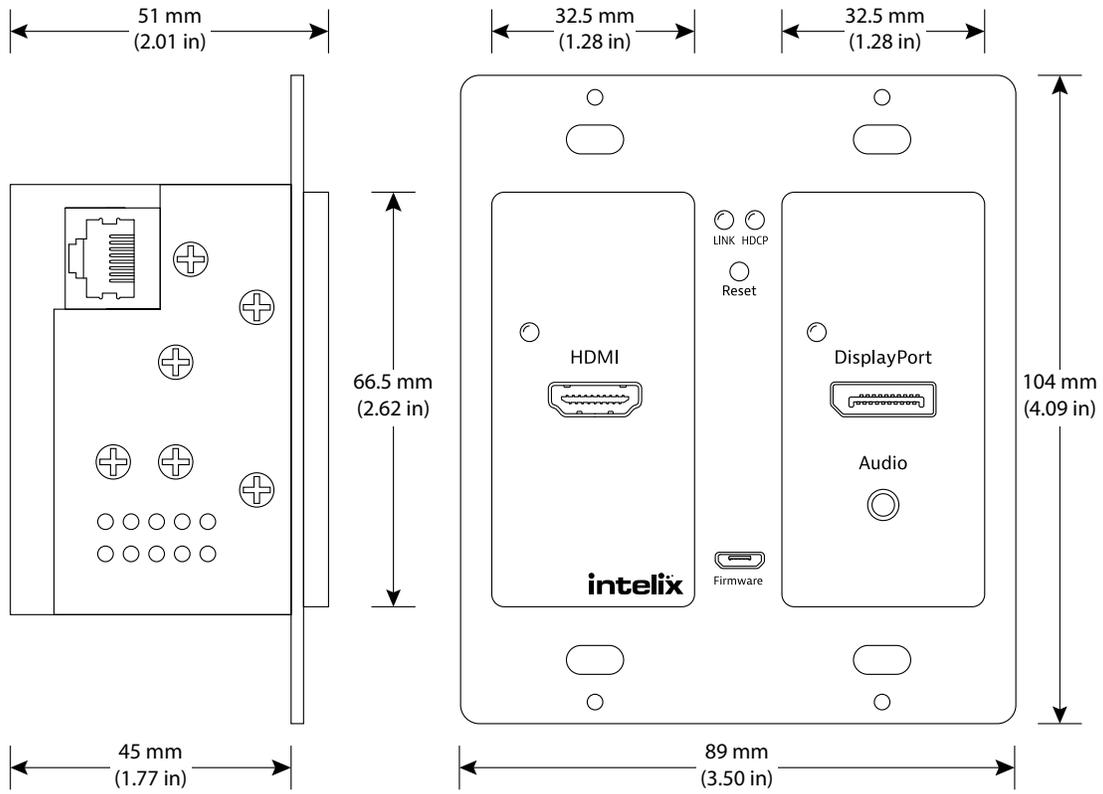
The Intelix AS-1H1DP-WP is a two-gang, Decora-style wallplate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features DisplayPort + Audio to HDMI conversion and an HDMI input. If the DisplayPort signal does not support embedded audio, the analog audio input port can be accessed via RS232.

The AS-1H1DP-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-1H1DP-WP 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-1H1DP-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-1H1DP-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-1H1DP-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-1H1DP-WP can be programmed to control the connected display. The display manufacturer’s RS232 commands can be entered into the AS-1H1DP-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.



| Input/Output Connections | |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Input | One (1) HDMI Type A Receptacle |
| DisplayPort Input | One (1) DisplayPort 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 |
| Supported Audio, Video and Control | |
| Video Resolutions | SMPT: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36, 48bit |
| 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 |
| HDBaseT Signal Characteristics | |
| 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 |
| Chassis and Environmental | |
| 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 |
| Power and Regulatory | |
| 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 |
| Other | |
| Warranty | 2 years |
| Diagnostic Indicators | HDCP, Link, DisplayPort (DP), and HDMI |
| Reset Switch | Microswitch |
| Available Models | AS-1H1DP-WP-W (White Faceplate and Painted Insert), AS-1H1DP-WP-B (Black Faceplate and Painted Insert) |
| Included Accessories | Installation Guide, Power Supply, Mounting Brackets with Screws, Two (2) 4-pin Removable Screw Terminals, RS232 cable (3-pin to DE9), 2-pin Removable Screw Terminal, Faceplate |
| 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.