

AS-1H1DP Technical Specifications

HDMI and DisplayPort Auto-Switch
Rev 160804

The Intelix AS-1H1DP is an under table mounted switcher 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 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. An HDMI output is available for use to connect to a local display.

The AS-1H1DP can be powered from the rear panel or by Power over HDBaseT (PoH), including midspan injectors that support Power over Ethernet (PoE) Alternative A. The AS-1H1DP may also power compatible HDBaseT receivers. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. The AS-1H1DP 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.

The AS-1H1DP 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 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 can be programmed to control the connected display. The display manufacturer’s RS232 commands can be entered into the AS-1H1DP 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)
HDMI Output	One (1) HDMI Type A Receptacle
Power	One (1) 5.5 mm OD, 2.6 mm ID Threaded Barrel
RS232 Port	One (1) 3-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	SMPTE: 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	Black Aluminium
Dimensions (H x W x D)	30 mm x 172 mm x 84 mm (1.18 in x 6.77 in x 3.31 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 Input	24V DC 1.25A or 48V DC PoH (Power over HDBaseT)
Power Output	48V DC PoH (Power over HDBaseT)
Power over Ethernet (PoE) Compatibility	802.3af Alternative A
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), HDMI, and Power
Included Accessories	Installation Guide, Power Supply, Mounting Brackets with Screws, 4-pin Removable Screw Terminal, 3-pin Removable Screw Terminal, RS232 cable (3-pin to DE9), Rubber Feet
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.