

DPH 101

DISPLAYPORT TO HDMI ACTIVE ADAPTER

- ▶ Provides connectivity between Type 2 enabled, 4K/UHD-capable Dual-Mode DisplayPort equipped sources and HDMI sink devices
- ▶ Equalizes incoming DisplayPort signals up to 15 feet (4.5 meters) to compensate for signal loss due to low quality cables or marginal sources
- ▶ Reconditions HDMI signals at the output to ensure signal integrity up to 15 feet (4.5 m) to the connected HDMI device
- ▶ Supports computer video to 2560 x 1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- ▶ HDCP compliant
- ▶ Compact 1" (2.5 cm) high, 2.4" wide enclosure for discreet placement and mounting in space-constrained environments



The Extron DPH 101 is a compact one input, one output DisplayPort to HDMI adapter that facilitates the integration of DisplayPort sources into an HDMI system infrastructure. It supports data rates up to 10.2 Gbps and video resolutions up to 4K/30p. The DPH 101 is ideal for use with Extron Retractor DisplayPort cable retraction modules, providing the interface between DisplayPort sources and an HDMI switcher, transmitter, or display.



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INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **DPH 101** is a compact one input, one output DisplayPort to HDMI active adapter. Incoming signals from Type 2 enabled, 4K/UHD capable Dual-Mode DisplayPort sources are equalized up to 15 feet (4.5 m) at the input to compensate for signal loss. The DPH 101 then reconditions the signal, ensuring signal integrity up to an additional 15 feet (4.5 m) from the output to the connected HDMI device. The DPH 101 is HDCP compliant, and supports data rates up to 10.2 Gbps and 4K/30p video resolutions. The DPH 101 can be powered by a power supply shared with another Extron product or an optional 12V 1A power supply. The DPH 101 is housed in a compact 1" (2.5 cm) high, 2.4" wide enclosure for discreet placement and mounting in space-constrained environments with the included fabric hook and loop tape.

FEATURES

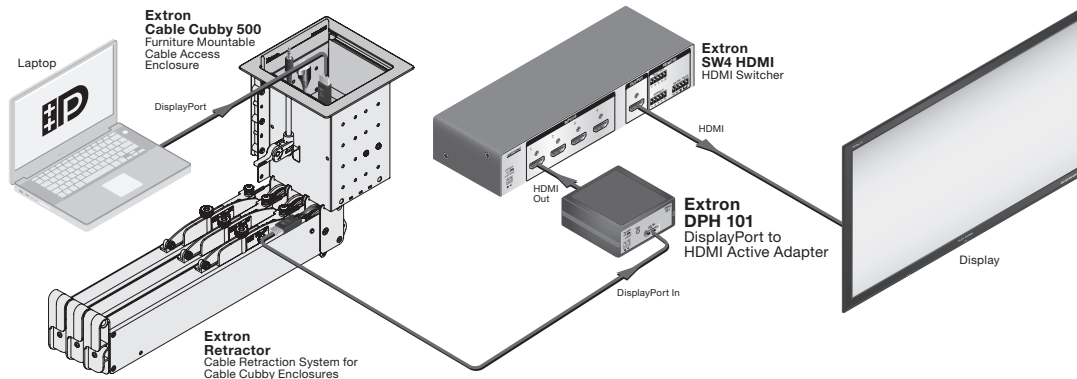
- ▶ Provides connectivity between Type 2 enabled, 4K/UHD-capable Dual-Mode DisplayPort equipped sources and HDMI sink devices
- ▶ Equalizes incoming DisplayPort signals up to 15 feet (4.5 meters) to compensate for signal loss due to low quality cables or marginal sources
- ▶ Reconditions HDMI signals at the output to ensure signal integrity up to 15 feet (4.5 m) to the connected HDMI device
- ▶ Supports computer-video to 2560 x 1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- ▶ Passes EDID information from HDMI display to the source
- ▶ HDCP compliant
- ▶ Supports data rates of 3.4 Gbps per color; 10.2 Gbps total
- ▶ Complies with VESA Interoperability Guideline

SPECIFICATIONS

VIDEO		
Maximum data rate	10.2 Gbps (3.4 Gbps per color)	
Maximum pixel clock	300 Mhz	
Resolution range	Up to 1920 x 1200, 1080p @60 Hz 12-bit color, or 2560 x 1600 @60 Hz 4K (4096 x 2160) @30Hz, UHD (3840 x 2160) @30Hz	
VIDEO INPUT		
Number/signal type	1 DisplayPort	
Input cable length	Up to 15' (4.5 m)	
VIDEO OUTPUT		
Number/signal type	1 HDMI	
Output cable length	Up to 15' (4.5 m)	
GENERAL		
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.0 A, 12 watts	
NOTE: The external power supply is not included.		
NOTE: Power can be shared with a connected Extron HDMI switcher or similar device (see the DPH 101 Setup Guide for details).		
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing	
Enclosure type	Plastic	
Enclosure dimensions	1.0" H x 2.4" W x 2.3" D (2.5 cm H x 6.1 cm W x 5.8 cm D)	
Product weight	0.1 lbs (0.05 kg)	
Model	Version Description	Part number
DPH 101	DisplayPort F-HDMI F, Active Adapter	60-1379-01
Optional Accessories		
Model	Version Description	Part Number
PS 1210 C	12V, 1A, Captive Screw Connector	70-775-01
Retractor DisplayPort	DisplayPort Male to Male	70-1065-07
Retractor XL DisplayPort	DisplayPort Male to Male	70-1066-07
MDP-DP/6	Mini DP to DisplayPort, 6' (1.8m)	26-675-06
DisplayPort Series	DisplayPort Cables	26-657-xx
HDMI Ultra Series	Ultra Flexible High Speed HDMI Cables	26-663-xx
HDMI Pro Series	High Speed and Standard Speed HDMI Cables	26-650-xx

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

APPLICATION DIAGRAM



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