

ARDP4KHF Technical Specification

Display Port to HDMI® Adapter

Rev. 161013

Liberty's ARDP4KHF Display Port to HDMI adapter features active Display Port conversion to HDMI signal. This unit is a component of Liberty's patented Digital Keychain Security System that can also function as a standalone adapter for Video presentation system. The unit has the 4-way eyelet for inclusion into a keychain design.

The ARDP4KHF unit is manufactured with the latest in IC technology to support the full bandwidth required of HDMI 2.0. The unit supports bandwidth of up to 18Gbps. The actual performance will depend on the circuit link that is attached to the adapter. Longer cables attenuate and this can reduce the final throughput.

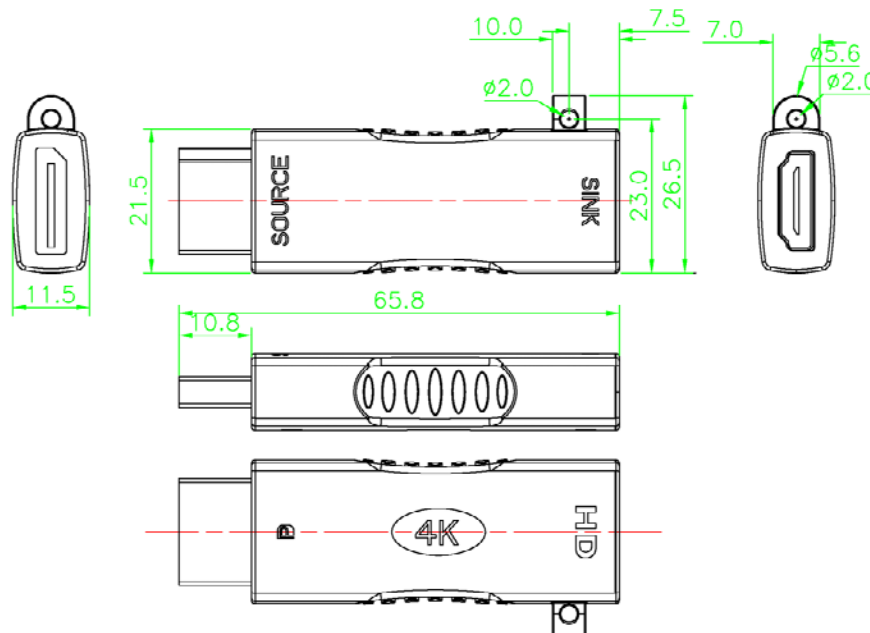
Note the use pattern for this adapter is connected to a passive HDMI cable. Active AOC and Active Copper cables may not work due to the power and technology differences. It is not recommended to use active cables to connect this adapter. The length of the cable should be as short as possible. Use of HDMI® Premium certified cables allows for 15-foot lengths. This item draws power from the Display Port BUS of the source.

Key Features:

- 4K60 4:4:4 Bandwidth
- Tested to VESA requirements
- Can be stand alone
- Component for Digital Keychain

Key Applications:

- Adapting DP to HDMI
- Corporate Boardrooms
- Education and Conference Center
- Presenting and Collaboration



Technical Specifications	
I/O Connections	
Display port	Male Display Port Connector
HDMI	Female HDMI Type A connector
HDMI Supported Video, Audio and Ethernet	
HDMI Maximum Video Compatibility	4Kx2K @ 60Hz
Video Compliance	HDMI 2.0, HDCP 2.2
Display Port Compliance	DP 1.2A for 1.62Gbps, 2.7Gbps, and 5.4Gbps
Training Support	Full Link Training and No Link Training Supported
Maximum Bandwidth	HDMI: 18.0Gbps
Molding Construction	
Overmold Length x Width x Height	55mm x 21.5mm x 11.5mm
Connector Shroud (DP)	10.8mm
Environmental Requirements	
Operating Temperature	0° to +60° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-20° to +80° C (0° to +176° F)
Power and Regulatory	
Regulatory	EU RoHS-2 2011/65/EU Compliant

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

Part Matrix	
Item Number	Description
ARDP4KHF	Adapter, Display Port to HDMI

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HDMI® is a registered trademark of HDMI, LLC

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