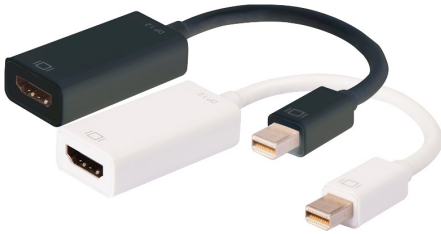


RoHS
Compliant



Description

This is a Mini DisplayPort1.2 to HDMI signal format converter for interfacing next generation DisplayPort based PC and notebook computers with high definition displays. DisplayPort offers a unified, scalable, and cost effective interface for embedded and external display applications. As desktop and notebook PCs are increasingly transitioning from conventional analog type interfaces to DisplayPort, the converter facilitates the transition by offering seamless connectivity between new DisplayPort PC and the installed base HDMI monitors and projectors.

It offers solutions for digital entertainment centre, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise space and security concerns, data centre control, information distribution, conference room presentation, school and corporate training environments.

Features

- Supports DisplayPort1.2 and 4 lanes.
- Support DisplayPort 1.2a input and HDMI1.4b output.
- Support HDMI highest video resolution 4Kx2K.
- Supports multiple color format:RGB 6/8/10/12-bit per component(bpc) and YCbCr4:4:4, YCbCr4:2:2,8/10/12bpc.
- HDMI 1.4b compliant with maximum data rate 3.0Gbps.
- Supports 10/12-bit deep color 1080p up to 2.25Gbps.
- Content protection of HDCP Rx and Tx keys to support HDCP repeater.
- DVI 1.0transmitter support.
- Support up to 8 channel LPCM, compressed audio (AC-3, DTS) and HBR audio format.
- Supports up to 192 kHz audio frame rate and up to 24-bit audio sample size.
- Integrated both HDCP Rx and Tx keys to support HDCP repeater.
- Powered from DisplayPort source.

Specifications

Signal Inputs/Output	
Input Video Signal	5 Volts p-p (TTL)
Maximum Single Link Range	4kx2K
Output Video	HDMI1.4b
Input/Output Connector	Input: Mini DisplayPort Male 20pin Output: HDMI Female Type A 19pin
Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	1.62Gbps/2.7Gbps

Resolutions(HDTV)	
No 3D Mode	Up to 4Kx2K@30HZ
3D Mode	Nonsupport
Mechanical	
Weight(Net)	14.88 g
Environmental	
Operating Temperature	0°C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90 % RH (no condensation)
Power Requirement	
External Power Supply	No external power needed
Power consumption (Max)	1W
Mechanical	
Weight(Net)	14.88 g
Warranty	
Limited Warranty	12 Months
Regulatory Approvals	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
Accessories Adapter	
User Manual	English

Connection and Operation

- Connect the Mini DisplayPort male to Mini DisplayPort source device.
- Connect the HDMI female to display by HDMI M/M cable.

Part Number Table

Description	Part Number
Mini DisplayPort1.2 to HDMI Converter, Black	PSG91078
Mini DisplayPort1.2 to HDMI Converter, White	PSG91079

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-SIGNAL is the registered trademark of Premier Farnell Limited 2019.