

## Mini DisplayPort to HDMI 4K Audio / Video Converter – mDP 1.2 to HDMI Active Adapter for Mac Book Pro / Mac Book Air – 4K @ 30 Hz - White

Product ID: MDP2HD4KSW



The MDP2HD4KSW Mini DisplayPort to HDMI adapter enables you to connect a mDP-equipped computer, such as the MacBook® Pro and MacBook® Air, to an HDMI display. This adapter is compatible with Mini DisplayPort 1.2 & HDMI 4K @ 30 Hz and as a result can support video resolutions up to Ultra HD (4K) as well as the accompanying digital audio up to 7.1 channel surround sound.

With support for Ultra HD (4K) the mDP to HDMI adapter ensures you can convert Mini DisplayPort to HDMI while maintaining an astonishing picture quality four times the resolution of highdefinition 1080p. The adapter is also backward compatible with previous DisplayPort revisions 1.0/1.1 with support for resolutions up to 1080p.

For a hassle-free setup the Mini DisplayPort to HDMI adapter allows for plug-and-play installation without any additional software or drivers. Plus, with a small footprint and lightweight design, the adapter maximizes portability.

> www.startech.com/uk 0800 169 0408



## **Data Sheet**

To ensure compatibility with any Mini DisplayPort output the mDP adapter offers an active conversion. Active video conversion is required to maintain 4K resolutions when converting Mini DisplayPort to HDMI. An active mDP adapter is also ideal for outputting 1080p resolutions by ensuring compatibility with graphics cards that are not capable of outputting multi-mode DP++ signals (e.g. ATI Eyefinity).

To support your Mac® the HDMI converter is compatible with Intel® Thunderbolt<sup>™</sup> devices that output a DisplayPort video signal.

With a sleek uniform white design the MDP2HD4KSW looks great next to your Mac®, and is backed by a 2-year StarTech.com warranty, and lifetime technical support.



## **Data Sheet**

#### Certifications, Reports and Compatibility





⊂ F©



#### Applications

- Connect your 4K HDMI display to a Mini DisplayPort output port
- Carry with your laptop for BYOD office applications
- Use an HDMI display as a secondary monitor for your Mini DisplayPort computer
- Use your Thunderbolt port to connect your MacBook Pro / MacBook Air to an HDMI Display

#### Features

- Supports video resolution up to 4K
- Fully compliant with DisplayPort 1.2 revision
- Supports HDMI 4K @ 30 Hz
- Compatible with Intel® Thunderbolt<sup>™</sup> devices that are capable of outputting a DisplayPort signal
- Compact, lightweight design
- Plug-and-play installation
- No power adapter required
- Active Mini DisplayPort conversion

www.startech.com/uk 0800 169 0408

# StarTechcom

Hard-to-find made easy\*

## **Data Sheet**

HariwareAtike or Passive AdapterAtikeAdapter StyleAdaptersAudioYesAlongutMinDisplayPort.1.2Av TouptDBMIndustry StandardsDPC (Nigh partition Content Protection) DDC (High Partition Content Protection) <b< th=""><th></th><th>Warranty</th><th>2 Years</th></b<>		Warranty	2 Years
AudioYesAV InputMini-DisplayPortAV OutputHDMIIndustry StandardsDPCP (DisplayPort Content Protection) DisplayPort 1.2 HDMI 1.4Ports1PerformanceAudio Specifications7.1 Surround SoundMaximum Digital Resolutions4K x 2K @ 30 HzSupported Resolutions4K x 2K @ 30 HzSupported Resolutions4K x 2K @ 0012 1280x720 (720p)Wide Screen SupportedYesConnector SpConnector A1 - HDMI (19 pin) FemaleEnvironmentalHumidity0%-85%InvironmentalHumidity10%-85%Physical Physical ForacteristicsColorYour (10 pin) JisplayPort 1.76°F)Physical Phy	Hardware	Active or Passive Adapter	Active
AV InputMini-DisplayPortAV OutputHDMIIndustry StandardsDPCP (DisplayPort Content Protection) HDCP (High Definition Content Protection) DisplayPort 1.2 HDMI 1.4Ports1PerformanceAudio Specifications7.1 Surround SoundMaximum Digital ResolutionsK x 2K @ 30 HzSupported ResolutionsK x 2K (Ultra HD) 1920x1200 1280x720 (720p)Wide Screen SupportedYesConnector (S)Connector A1 - HDMI (19 pin) FemaleEnvironmentalHumidity0%-85%InvironmentalOperating Temperature0°C to 70°C (32°F to 158°F) 10°C to 80°C (14°F to 176°F)Physical Physical FormatceSolbe Length150 mm [5.9 in]Physical Ph		Adapter Style	Adapters
AV OutputHDMIIndustry StandardsDPCP (DisplayPort Content Protection) HDCP (High Definition Content Protection) DisplayPort 1.2 HDMI 1.4Ports1PerformanceAudio Specifications7.1 Surround SoundMaximum Digital ResolutionsK x 2K @ 30 HzSupported ResolutionsK x 2K @ 30 HzSupported ResolutionsK x 2K (Ultra HD) 1920x1200 1920x1200 1920x1000 (1080p) 1280x720 (720p)Wide Screen SupportedYesConnector SConnector A1 - HDMI (19 pin) FemaleEnvironmentalHumidity10%-85%Physical CharacteristicsColor9C to 70°C (32°F to 158°F) 10°C to 80°C (14°F to 176°F)Physical Physical ColorSolup Length150 mm [5.9 in]Physical Product Weight16 g [0.6 oz]Packaging RomationShipping (Package) Weight2 g [0.8 oz]		Audio	Yes
Industry StandardsDPCP (DisplayPort Content Protection) DisplayPort 1.2 HDMI 1.4Ports1ReformanceAudio Specifications7.1 Surround SoundMaximum Digital Resolutions4K x 2K @ 30 HzSupported Resolutions4K x 2K @ 30 HzSupported Resolutions4K x 2K @ 1080p) 1920x12000 1920x12000 1920x12000 1920x12000 1		AV Input	Mini-DisplayPort
HDCP (High Definition Content Protection) DisplayPort 1.2 HDMI 1.4Ports1PerformanceAudio Specifications7.1 Surround SoundMaximum Digital Resolutions4K x 2K @ 30 HzSupported Resolutions4k x 2K (Ultra HD) 1920x1200 1920x1080 (1080p) 1280x720 (720p)Wide Screen SupportedYesConnector (s)Connector AInvinium digital Temperature0°C to 70°C (32°F to 158°F)Invinium digital Temperature0°C to 80°C (14°F to 176°F)Physical CharacteristicsColorColorColorInvini Supported10% HitePhysical CharacteristicsColorPhysical Physical CharacteristicsSipping (Package) WeightSupping (Package) Weight22 g [0.8 oz]		AV Output	HDMI
PerformanceAudio Specifications7.1 Surround SoundMaximum Digital Resolutions4K x 2K @ 30 HzSupported Resolutions4k x 2K (Ultra HD) 1920x1200 1920x1080 (1080p) 1280x720 (720p)Wide Screen SupportedYesConnector (s)Connector AConnector B1 - Mini-DisplayPort (20 pin) Male Connector BEnvironmentalHumidityHumidity10%-85%Operating Temperature Storage Temperature0°C to 70°C (32°F to 158°F) -10°C to 80°C (14°F to 176°F)Physical CharacteristicsColorColorWhite Product WeightPackaging InformationShipping (Package) WeightStorage Temperature Product Weight22 g [0.8 oz]		Industry Standards	HDCP (High Definition Content Protection) DisplayPort 1.2
Maximum Digital Resolutions4K x 2K @ 30 HzSupported Resolutions4k x 2K (Ultra HD) 1920x1200 1920x1080 (1080p) 1280x720 (720p)Wide Screen SupportedYesConnector(s)Connector AConnector B1 - Mini-DisplayPort (20 pin) Male 		Ports	1
Supported Resolutions4k x 2K (Ultra HD) 1920x1200 1920x1200 1920x1080 (1080p) 1280x720 (720p)Connector SupportedYesConnector A1 - Mini-DisplayPort (20 pin) Male 20 nonector BEnvironmentalHumidityHumidity10%-85%Operating Temperature 5torage Temperature0°C to 70°C (32°F to 158°F) 10°C to 80°C (14°F to 176°F)Physical CharacteristicsColorColorWhite 150 mm [5.9 in]Packaging InformationShipping (Package) WeightSuppong Package) Weight22 g [0.8 oz]	Performance	Audio Specifications	7.1 Surround Sound
Packaging Information <th></th> <th>Maximum Digital Resolutions</th> <th>4K x 2K @ 30 Hz</th>		Maximum Digital Resolutions	4K x 2K @ 30 Hz
Connector(s)Connector A1 - Mini-DisplayPort (20 pin) MaleConnector B1 - HDMI (19 pin) FemaleEnvironmentalHumidityMunidity10%-85%Operating Temperature0°C to 70°C (32°F to 158°F)Storage Temperature-10°C to 80°C (14°F to 176°F)Physical CharacteristicsCable LengthColorWhiteProduct Weight16 g [0.6 oz]Packaging InformationShipping (Package) Weight22 g [0.8 oz]		Supported Resolutions	1920x1200 1920x1080 (1080p)
Connector B1 - HDMI (19 pin) FemaleEnvironmentalHumidity10%-85%Operating Temperature0°C to 70°C (32°F to 158°F)Storage Temperature-10°C to 80°C (14°F to 176°F)Physical CharacteristicsCable Length50 mm [5.9 in]ColorWhiteProduct Weight16 g [0.6 oz]Packaging InformationShipping (Package) Weight22 g [0.8 oz]		Wide Screen Supported	Yes
EnvironmentalHumidity10%-85%Operating Temperature0°C to 70°C (32°F to 158°F)Storage Temperature-10°C to 80°C (14°F to 176°F)Physical CharacteristicsCable Length150 mm [5.9 in]ColorWhiteProduct Weight16 g [0.6 oz]Packaging InformationShipping (Package) Weight22 g [0.8 oz]	Connector(s)	Connector A	1 - Mini-DisplayPort (20 pin) Male
Operating Temperature 0°C to 70°C (32°F to 158°F)   Storage Temperature -10°C to 80°C (14°F to 176°F)   Physical Characteristics Cable Length 150 mm [5.9 in]   Color White   Product Weight 16 g [0.6 oz]   Packaging Information Shipping (Package) Weight 22 g [0.8 oz]		Connector B	1 - HDMI (19 pin) Female
Storage Temperature-10°C to 80°C (14°F to 176°F)Physical CharacteristicsCable Length150 mm [5.9 in]ColorWhiteProduct Weight16 g [0.6 oz]Packaging InformationShipping (Package) Weight22 g [0.8 oz]	Environmental	Humidity	10%-85%
Physical CharacteristicsCable Length150 mm [5.9 in]ColorWhiteProduct Weight16 g [0.6 oz]Packaging InformationShipping (Package) Weight22 g [0.8 oz]		Operating Temperature	0°C to 70°C (32°F to 158°F)
Characteristics Vhite   Color White   Product Weight 16 g [0.6 oz]   Packaging Information Shipping (Package) Weight 22 g [0.8 oz]		Storage Temperature	-10°C to 80°C (14°F to 176°F)
Product Weight 16 g [0.6 oz]   Packaging Information Shipping (Package) Weight 22 g [0.8 oz]	•	Cable Length	150 mm [5.9 in]
Packaging Shipping (Package) Weight 22 g [0.8 oz]   Information		Color	White
Information		Product Weight	16 g [0.6 oz]
What's in the Box   Included in Package   1 - Mini-DisplayPort to HDMI Active Adapter		Shipping (Package) Weight	22 g [0.8 oz]
	What's in the Box	Included in Package	1 - Mini-DisplayPort to HDMI Active Adapter

Product appearance and specifications are subject to change without notice.

www.startech.com/uk 0800 169 0408