

## DisplayPort 1.4 to HDMI Active Adapter Cable (M/M), 4K 60 Hz, 4:4:4, HDR, HDCP 2.2, 6 ft. (1.8 m), TAA

MODEL NUMBER: **P582-006-HD-V4A**



Connects the DisplayPort output on your Surface or other compatible device to a 4K HDMI monitor, television or projector.

### Features

#### Directly Connects Your Computer's DisplayPort Output to a 4K HDMI Monitor or TV

This active adapter cable lets you use a device with a DisplayPort connector with an HDMI monitor, television or projector. Because the P582-006-HD-V4A is an active adapter, it converts single-mode and dual-mode (DP++) DisplayPort output and can be used with graphics cards that don't transmit DP++ signals. Male connectors on both ends eliminate the need for a separate DisplayPort adapter and HDMI cable and give you an all-in-one 4K cable solution.

#### Ideal for High-Definition and 4K Video Applications

The active converter transmits digital video plus audio from your Microsoft Surface, Chromebook, PC, laptop or other device with a female DisplayPort connector. It's essential for working with high-def image and video files or streaming 4K video in digital signage applications. It supports audio up to 8-channel LPCM, compressed audio (AC-3, DTS), HBR audio formats and a 192 kHz audio frame rate up to 24-bit audio sample size.

#### Transmits Crystal-Clear 4K Video with HDR, DSC and 4:4:4 Color

The P582-006-HD-V4A supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as well as HDR video, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. This adapter supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. Display Stream Compression (DSC) encodes/decodes video in real time with low latency, making this cable ideal for high-performance gaming.

#### Supports HDCP 2.2 for 4K Installations

The P582-006-HD-V4A supports HDCP 2.2, which protects 4K UHD content from illegal copying and helps you stream 4K Amazon and Netflix content with no complications. The cable is backward compatible with earlier HDCP and DisplayPort generations, as well as pre-4K displays.

#### Avoid Signal Disruptions with Extra-Secure Connectors

Having a cable come loose accidentally can cause A/V signal loss at the most inconvenient times. Specially designed high-grip HDMI and latching DisplayPort connectors firmly hold the ports on your equipment to help prevent accidental disconnection and signal disruption. With greater port retention than typical connectors, these more secure connectors resist vibrations that can loosen over time. This is especially helpful for ensuring components stay attached in difficult-to-access installations.

### Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Complies with HDCP 2.2 standards to display up-to-date 4K video content
- Display Stream Compression (DSC) allows real-time video encoding with low latency
- Plug-and-play operation with no software required for easy, immediate installation

### System Requirements

- Source device with DisplayPort output
- Display device with HDMI input

### Package Includes

P582-006-HD-V4A DisplayPort 1.4 to HDMI Active Adapter Cable (M/M), 6 ft. (1.8 m)



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## Specifications

| OVERVIEW                       |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| UPC Code                       | 037332268723                                                                                                                             |
| Product Type                   | Active Cable                                                                                                                             |
| Technology                     | HDMI; DisplayPort                                                                                                                        |
| Cable Type                     | Active                                                                                                                                   |
| VIDEO                          |                                                                                                                                          |
| Max Supported Video Resolution | 3840 x 2160 (4K) @ 60Hz                                                                                                                  |
| Max Supported Color Depth      | 24-bit True Color                                                                                                                        |
| HDR Support                    | Yes                                                                                                                                      |
| 3D Video Supported             | No                                                                                                                                       |
| Chroma Sub Sampling            | 4:4:4                                                                                                                                    |
| DSC Support                    | Yes                                                                                                                                      |
| AUDIO                          |                                                                                                                                          |
| Audio Specification            | Audio up to 8-channel LPCM, compressed audio (AC-3, DTS), HBR audio formats, and 192kHz audio frame rate up to 24-bit audio sample size. |
| INPUT                          |                                                                                                                                          |
| Bus Powered                    | No                                                                                                                                       |
| Product Length (in.)           | 72                                                                                                                                       |
| Product Length (ft.)           | 6                                                                                                                                        |
| CONNECTIONS                    |                                                                                                                                          |
| Side A - Connector 1           | DISPLAYPORT (MALE)                                                                                                                       |
| Side B - Connector 1           | HDMI (MALE)                                                                                                                              |
| Connector Plating              | Nickel                                                                                                                                   |
| Contact Plating                | Gold                                                                                                                                     |
| Latching or Gripping Connector | Yes                                                                                                                                      |
| PHYSICAL                       |                                                                                                                                          |
| Color                          | Black                                                                                                                                    |
| Cable Jacket Color             | Black                                                                                                                                    |
| Cable Jacket Material          | PVC                                                                                                                                      |
| Cable Jacket Rating            | VW-1                                                                                                                                     |



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|----------------------------------------------|-----------------------------------------------------------------------------|
| Cable Outer Diameter (OD)                    | DP: 6.5mm; HDMI: 7.3mm                                                      |
| Wire Gauge (AWG)                             | 30                                                                          |
| Cable Length (ft.)                           | 6                                                                           |
| Cable Length (m)                             | 1.83                                                                        |
| Cable Length (in.)                           | 72                                                                          |
| Ferrite Core                                 | No                                                                          |
| Minimum Bend Radius                          | 73mm                                                                        |
| Rackmountable                                | No                                                                          |
| Unit Dimensions (hwd / in.)                  | 0.750 x 7.000 x 9.500                                                       |
| Unit Packaging Type                          | Polybag                                                                     |
| <b>ENVIRONMENTAL</b>                         |                                                                             |
| Operating Temperature Range                  | 32° to 104°F (0° to 40°C)                                                   |
| Storage Temperature Range                    | 5° to 122°F (-15° to 50°C)                                                  |
| Operating Humidity Range                     | 0% to 85% RH, Non-Condensing                                                |
| Storage Humidity Range                       | 0% to 85% RH, Non-Condensing                                                |
| <b>COMMUNICATIONS</b>                        |                                                                             |
| EDID Compatible                              | Yes                                                                         |
| Consumer Electronics Control (CEC) Supported | Yes                                                                         |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                                                             |
| IP68 Rated                                   | No                                                                          |
| IP20 Rated                                   | No                                                                          |
| Displayport Specification                    | 1.4                                                                         |
| HDCP Specification                           | 1.4; 2.2                                                                    |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                                                             |
| Product Compliance                           | CE (Europe); FCC (USA); REACH; RoHS; Trade Agreements Act (TAA); UKCA; WEEE |
| <b>WARRANTY &amp; SUPPORT</b>                |                                                                             |
| Product Warranty Period (Worldwide)          | 3-year limited warranty                                                     |

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