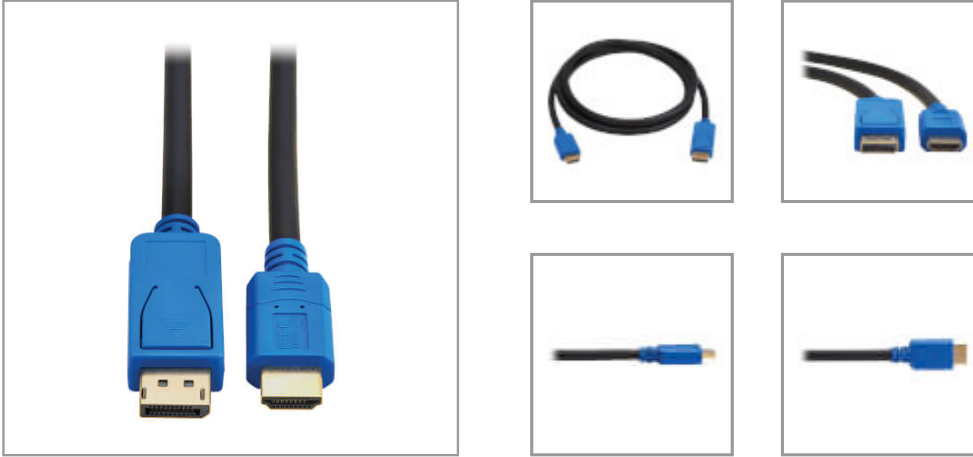


DisplayPort 1.4a to HDMI 2.1 Active Adapter Cable (M/M) - 8K 60 Hz, 4K 120 Hz, 4:4:4, HDR, HDCP 2.3, 6 ft. (1.8 m), TAA

MODEL NUMBER: P582-006-8K6



Connects the DisplayPort output on your PC, laptop or other compatible device to an 8K HDMI monitor, television or projector.

Features

Directly Connects Your Computer's DisplayPort Output to an 8K HDMI Monitor or TV

This active adapter cable (M/M) connects a PC, laptop or other device with a DisplayPort connector to an HDMI monitor, television or projector capable of 8K video resolutions. Because the P582-006-8K6 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, giving you an all-in-one 8K cable solution.

Ideal for High-Definition and 8K Video Applications

The active converter transmits digital video plus audio from your Surface, Chromebook, PC, laptop or other device with a female DisplayPort connector. It's ideal for working with high-def image and video files or streaming 8K video in digital signage applications. It supports audio up to 32-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 8K Video with HDR, DSC and 4:4:4 Color

The P582-006-8K6 supports Ultra HD resolutions up to 7680 x 4320 at 60 Hz. HDR (High Dynamic Range) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 8K display. Uncompressed 4:4:4 chroma subsampling is perfect 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 2.3 for 8K Installations

The P582-006-8K6 supports HDCP 2.3, which protects 8K UHD content from illegal copying and helps you stream 8K video with no complications. The cable is backward compatible with earlier HDMI, HDCP and DisplayPort generations, as well as 4K and 1080p displays.

Avoid Signal Disruptions with Extra-Secure Connectors

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 8K @ 60 Hz (4:4:4) for heightened video quality
- Supports Dynamic HDR for richer contrast and expanded color accuracy per frame
- Complies with HDCP 2.3 standards to display up-to-date 8K video content
- Display Stream Compression (DSC) allows real-time video encoding with low latency
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device with DisplayPort output
- Display device with HDMI input
- Both the source and display must support 8K resolutions to achieve 8K video

Package Includes

P582-006-8K6 DisplayPort 1.4 to HDMI 2.1 Active Adapter Cable (M/M), 6 ft. (1.8 m)



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TAA-Compliant for GSA Schedule Purchases

The P582-006-8K6 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332297143
Product Type	Active Cable
Technology	DisplayPort; HDMI
Cable Type	Active
VIDEO	
Max Supported Video Resolution	7680 X 4320 60HZ (8K)
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	No
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
Bandwidth	48 Gbps
DisplayPort Alt Mode	No
DSC Support	Yes
AUDIO	
Audio Specification	DOLBY VISION METADATA IN DOLBY VSIF, AUDIO 1-32 CH LPCM 192 KHZ, HBR UP TO 1536 KHZ
CONNECTIONS	
Side A - Connector 1	DISPLAYPORT (MALE)
Side B - Connector 1	HDMI (MALE)
Connector Plating	Gold
Contact Plating	Gold
Latching or Gripping Connector	Yes
PHYSICAL	
Color	Black
Material of Construction	PVC + ABS
Cable Jacket Color	Black
Connector Color	Blue
Cable Jacket Material	PVC



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Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	7.3MM
Wire Gauge (AWG)	28
Cable Length (ft.)	6
Cable Length (m)	1.83
Cable Length (in.)	72
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Unit Packaging Type	Polybag
ENVIRONMENTAL	
Operating Temperature Range	14° to 104°F (-10° 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
COMMUNICATIONS	
EDID Compatible	No
Consumer Electronics Control (CEC) Supported	No
FEATURES & SPECIFICATIONS	
EMI/RFI Line Noise Protection	No
Integrated/Removable Cable	No
MST Support	No
Antibacterial	No
Fully Molded Connector Ends	No
Ohms	No
Integral Strain Relief	No
Impedance-Matched Twisted-Pair Construction	No
Scaler Function	No
IP67 Rated	No
Armored Cable	No
Displayport Specification	1.4a
HDCP Specification	1.4; 2.2; 2.3
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	



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Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS3; Trade Agreements Act (TAA); UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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