

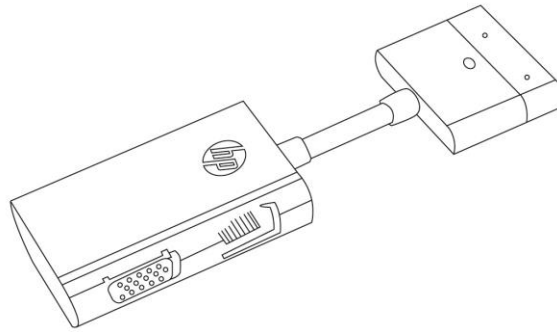
Technical Specifications

HP Cables and Connectors

Models

HP Dock Connector to Ethernet & VGA Adapter New!	G7U78AA
HP EliteFolio Ethernet & VGA Adapter	F3W44AA
HP HDMI to VGA Adapter	H4F02AA
HP HDMI to DVI Adapter	F5A28AA
HP DisplayPort to HDMI 1.4 Adapter	F3W43AA
HP DisplayPort to DVI SL Adapter New!	F7W96AA
HP DisplayPort to VGA Adapter New!	F7W97AA

HP Dock Connector to Ethernet & VGA Adapter (G7U78AA)



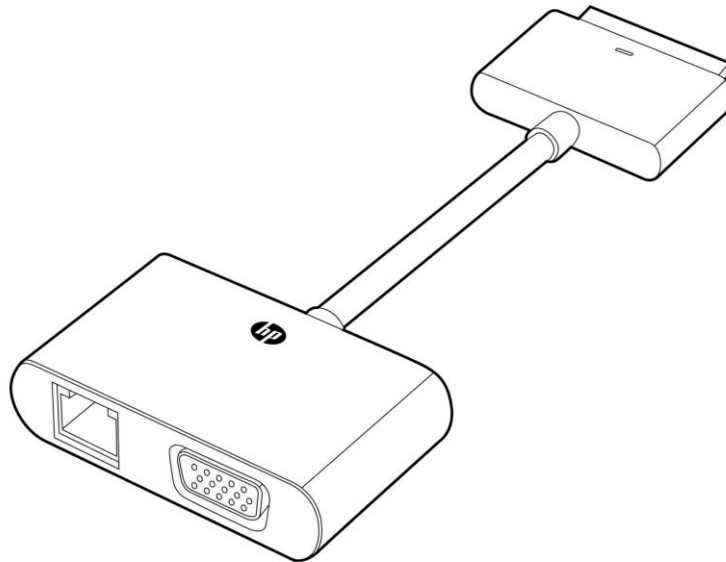
Expand what you can do with your HP EliteBook Folio 1040 G1 and G2 by using its side dock connector to add Ethernet and VGA connectivity with a single handy adapter.

- Connect the adapter to the notebook's side docking port to quickly add RJ-45 and VGA ports.
- Store the compact adapter in your carrying case alongside your notebook.
- Get a one-year parts replacement limited warranty.

Environmental Data	Operating Temperature -25° to +85° 85%RH, without loss of function. Storage temperature: -25° to +70° 85%RH, without loss of function.
RJ45 Durability	The test is performed in accordance with EIA-364-09C.Total:2000 cycles. The speed is 500 cycles per hour.
VGA Durability	The test is performed in accordance with EIA-364-09C.Total:1000 cycles. The speed is 500 cycles per hour.
Test Condition	Temperature: 15° to 35° Relative Humidity: 40% to 70% Atmospheric pressure: 650 to 800 millimeters (25.6 to 31.5 inches) of Mercury.
Dimensions	5.91 x 2.36 x 0.59 in 150 x 60 x 15 mm
Weight Unpackaged	0.081 lb (37 g)
Compatibility	HP EliteBook Folio 1040 G1

Technical Specifications

HP EliteFolio Ethernet & VGA Adapter (F3W44AA)



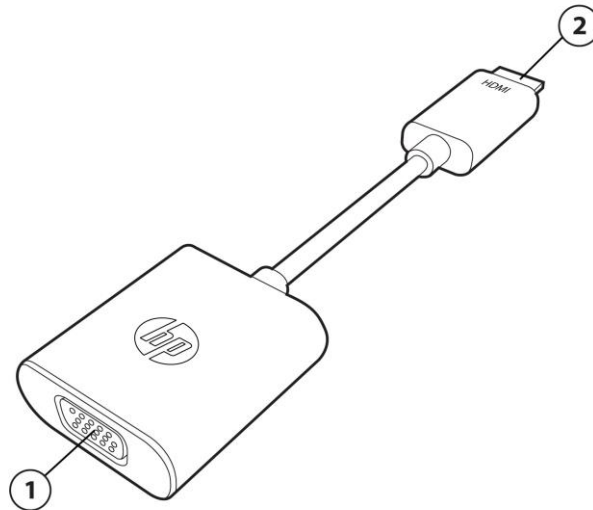
Expand what you can do with your HP EliteBook Folio 1040 G1 by using its side dock connector to add Ethernet and VGA connectivity with a single handy adapter.

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Compatibility	HP EliteBook Folio 1040 G1

Technical Specifications

HP HDMI to VGA Adapter (H4F02AA)

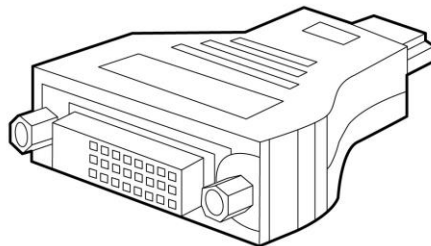


The HP HDMI to VGA Adapter allows you to convert the HDMI output port on your HP Business Notebook PC to an analog VGA input so you can connect to an external VGA display.

Host Interface	HDMI	
Video Interface	VGA	
Connectors	Video output	VGA male connector
	Host upstream link	HDMI male connector
Supported Resolutions (external display)	600 x 800 768 x 1280 1024 x 1280 1050 x 1680 1080 x 1920	
Operating Temperature	0-40°C (32-104° F)	
Storage Temperature	-10~70°C (14~158 °F)	
System Requirements	Software	Microsoft® Windows® 7 with Service Pack 1 (32-bit or 64-bit), Windows Vista® with Service Pack 1 (32-bit or 64-bit), Microsoft® Windows® XP Home or Professional with Service Pack 3
Mechanical	Dimensions (H x W x L)	Unpackaged: 0.59 x 1.574 x 1.771 in (15 x 40 x 45 mm)
	Weight	Unpackaged: 1.093 oz (31 g)
Environmental	EMC	FCC Part 15 Class B, IC ICES-003, CE (EN55022, EN61000, EN55024), BSMI, UL, C-tick, VCCI, KC
	RoHS	RoHS Compliant
Dimensions	6.22 x 1.57 x 0.59 in 150.8 x 40 x 15 mm	
Weight Unpackaged	0.088 lb (40 g)	
Components	HP HDMI to VGA Adapter, Warranty Card, and Quick Installation Guide	
Compatibility	<ul style="list-style-type: none"> • HP Folio¹³, ProBook x2 410 • HP Envy 4 • HP Spectre^{XT}, Spectre 13 Pro, Spectre x2 • HP ProBook 4230s, 43xxs, 44xxs, 45xxs, 47xxs, and 4740s Notebook PCs • HP ProBook 430 G1, 440 G0/G1, 445 G1, 450 G0/G1, 455 G1, and 470 G0/G1 Notebook PCs • HP 215, 240, 245, 250, 255, 340, 350, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs • HP ProBook 5330m Notebook PC 	

Technical Specifications

HP HDMI to DVI Adapter (F5A28AA)



- Maximize your HP Business Notebook's available ports with the HP HDMI to DVI Adapter. Convert your HDMI output to DVI for quick and easy connection to an external display.

Features

- Input : HDMI, support HDMI up to ver 1.4a
- Output : DVI-D with 24+1 pins connector

Operating Systems Supported Support Windows: Windows 7 & 8;
Use system default driver

Power Source Standard HDMI

Temperature & Humidity Operating

The HDMI to DVI connector adapter shall perform to specification when exposed to ambient temperatures of 410F to 950F (50C to 350C), 8%~ 80% RH (non-condensing).

Storage

The HDMI to DVI connector adapter shall be able to withstand prolonged exposure to temperatures from 410F to 1040F (50C to 400C), 8%~ 80% RH (non-condensing) encountered during transportation or storage.

Environmental Requirements To meet WEEE/RoHS and HALOGEN FREE requirements, all materials must meet limits contained within the HP standard 011-0 general specification for the environment (GSE), A-5951-1745-1. The test method accepted only is IEC62321.

Dimensions (LxWxH) 2.29 x 1.61 x .59 in
58.25 x 41 x 15 mm

Weight Unpackaged .05 lb (23 g)

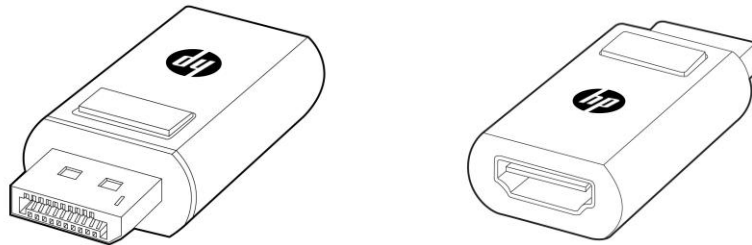
Compatibility

- HP ProBook 430 G1, 440 G0/G1, 445 G1, 450 G0/G1, 455 G1, and 470 G0/G1 Notebook PCs
- HP ProBook 4230s, 43xxs, 44xxs, 45xxs, 47xxs, and 4740s Notebook PCs
- HP Folio¹³, ProBook x2 410
- HP Envy 4
- HP Spectre^{XT}, Spectre 13 Pro, Spectre x2
- HP ChromeBook 14

Technical Specifications

- HP 215, 240, 245, 250, 255, 340, 350, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs
- HP ProBook 3125

HP DisplayPort to HDMI 1.4 Adapter (F3W43AA)



Make the most of the available ports on your HP Business Notebook by converting its DisplayPort output to HDMI for quick and easy connection to a range of multimedia devices.

Product Features

- Compliant to HDMI 1.4a specification up to 3.0 Gbps
- Support 4K x 2K & 3D video formats over HDMI
- Support DisplayPort all 4 levels of output and all 4 levels of pre-emphasis

Video Resolution Supported

Resolution	Refreshing Rate	Pixel Frequency
1920x1200	60Hz	154MHz
1600x1200	60Hz	162MHz
3840x2160	30Hz	297MHz
1920x1080	60Hz	148.5MHz

NOTES:

All video timings within four lane DisplayPort bandwidth are supported
Your computer must support DP1.2 with DP++ to benefit from 4K resolution

Normal operating conditions

Parameter
HDMI source level shifter

Ambient Temperature
Type 220 Max 300

Min 0 C Max 40 C
Unit mA

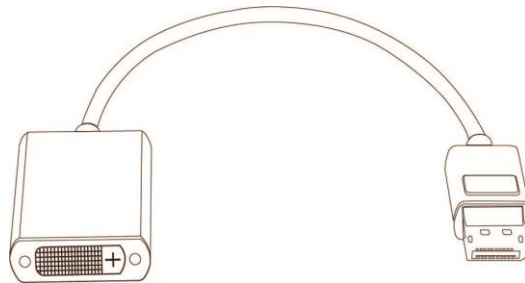
Electronics Character SPEC

Input Voltage	3.3V ± 10%	3.3V 230mA
Output	5V ± 10%	Max 90mA
Power consumption	760mW	Max
Power down current	8mA	Max
EMI	Standard Limit line	FCC Part15 Class B
ESD	AIR ± 4KV	IEC61000-4-2
	Contact ± 2KV	
Compliance	DisplayPort 1.1a / DVI 1.0	

Technical Specifications

Dimensions (LxWxH)	1.98 x 0.94 x 0.50 in 50.28 x 24.00 x 12.80 mm
Weight Unpackaged	0.030 lb (13.5 g)
Compatibility	<ul style="list-style-type: none"> • HP ProBook 640 G2, 650 G2, 645 G2, 655 G2 • HP EliteBook 820 G2/G3, 840 G2/G3, 850 G2/G3 • HP EliteBook 725 G2/G3, 745 G2/G3, 755 G2/G3 • HP ZBook 17 G2, 15 G2, 15u G2/G3, 14 G2 • HP EliteBook Folio 1040 G2 • HP EliteBook Revolve 810 G3

HP DisplayPort to DVI SL Adapter (F7W96AA)



Highest Video Resolution

Resolution Supported 1920x1200(RB) 1600x1200

Refreshing Rate

Reduced Blanking 60Hz 60Hz

Pixel Frequency 154MHz 162MHz

Ambient Temperature 0-40°C

DVI output currents max 80mA

Electronics Character **Input Voltage** 3.3V @100mA

SPEC **Output** 5V@ MAX 80mA

Power consumption 330mW

Power down current 8mA

Standard Limit line **FCC Part15 Class B** Limit line

ESD AIR +/-8KV,Contact+/-4KV

Dimensions Cable Length: 7.99 inches, DP Connector: 1.04x0.79x0.504 inches, DVI Connector: 1.77x1.77x0.65 inches

Dimensions Cable Length (From tip to tip): 203 mm, DP Connector: 26.5x20x12.8mm,

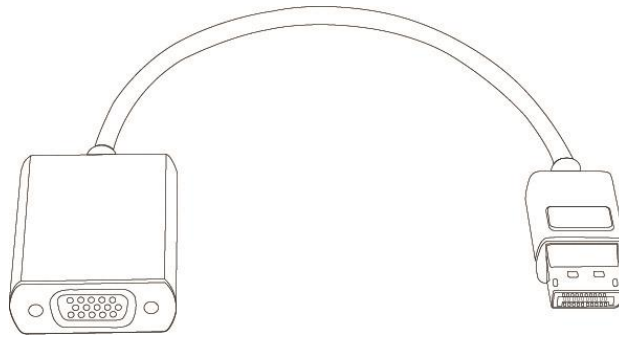
LxWxH DVI Connector: 45 x 45 x 16.5 mm

Weight 0.106 Lb (48 g)

Unpackaged

HP DisplayPort to VGA (F7W97AA)

Technical Specifications



Highest Video Resolution Supported	Resolution	1920x1200	1600x1200
	Refreshing Rate	60Hz	60Hz
	Reduced Blanking	RB	RB
	Pixel Frequency	154MHz	162MHz
Parameters	Max Luminance Voltage	Min .665 Volts	Max 0.770 Volts
	Min Luminance Voltage	Min 0	
	Video Channel Rise/Fall Time (Max)		25% ns
	Maximum Setting Time after overshoot/undershoot		30%
Electronics Character SPEC			
Input Voltage	3.3V ± 10%		3.3V 175mA
Output	5V ± 10%		Max 80mA
Power consumption	575mW		Max
Power down current	50mA		Max
EMI	Standard Limit line		FCC Part15 Class B
ESD	AIR	± 8KV	IEC61000-4-2
	Contact	± 4KV	
Dimensions (LxWxH)	Cable Length: 7.99 inches, DP Connector: 1.04x0.79x0.504 inches, DVI Connector: 1.99x1.42x0.53 inches		
	Cable Length: 203 mm, DP Connector: 26.5x20x12.8mm, DVI Connector: 50.5x36x13.5mm		
Weight Unpackaged	0.093 lb (42 g)		

Service and support

Each accessory carries a one-year limited warranty. Technical support is available seven days a week, 24 hours a day, by phone, as well as online support forums. Certain restrictions and exclusions apply.

Summary of Changes

Date of change	Version History	Change	Description of change
	From v1 to v2		
April 4, 2016	V5 to v6	Added	Note to F3W43AA resolution
September 12,2016	V6 to v7	Updated	HP DisplayPort to HDMI 1.4 Adapter (F3W43AA) Video Resolution Supported and compatibility

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