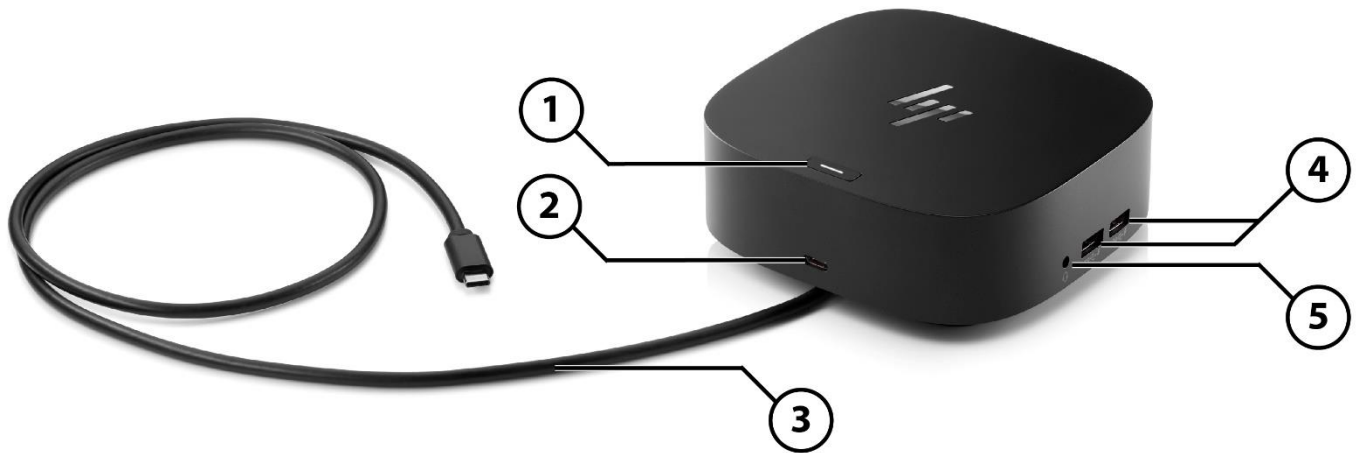


Overview

HP USB-C G5 Essential Dock



Front and Side View

1. (1) LED power button
2. (1) USB-C® port with data and power out (15W)
3. (1) USB-C® cable to connect to host system (power delivery up to 65W)
4. (2) USB-A 3.2 Gen 1 charging ports
5. (1) Combo audio jack

Overview

HP USB-C G5 Essential Dock



Back View

- | | | | |
|----|------------------------------------|----|-------------------|
| 1. | (2) USB-A 3.2 Gen 1 charging ports | 4. | (1) HDMI 2.0 port |
| 2. | (2) DisplayPort™ 1.4 ports | 5. | (1) RJ45 port |
| 3. | (1) Standard lock slot | | |

Overview

HP USB-C G5 Essential Dock



Bottom View

1. (1) Insert 4.5 mm barrel from included 120W power supply.

Technical Specifications

Components

Part number	72C71AA/72C71ET
Product dimensions (LxWxH)	4.80 x 4.80 x 1.77 in (122 x 122 x 45 mm)
Package dimensions (LxWxH)	7.63 x 6.18 x 6.57 in (194 x 157 x 167 mm)
Weight	1.49 lb (0.68 kg)
Top components	Mechanical power button with LED indicator
Front components	1 x USB-C cable to connect to host system (power delivery up to 65W) 1 x USB-C 3.2 Gen 1 port with data and power out (15W)
Side components	2 x USB-A 3.2 Gen 1 charging ports 1 x Combo audio jack
Back components	2 x USB-A 3.2 Gen 1 charging ports 2 x DisplayPort 1.4 ports 1 x RJ45 port (10/100/1000) 1 x HDMI 2.0 port 1 x standard lock slot
External monitor support	For hosts that support DisplayPort 1.4 with Display Stream Compression ¹ : 3x FHD @ 60 Hz 3x QHD @ 60 Hz 3x 4K @ 60 Hz For hosts that support DisplayPort 1.3/1.4: 3x FHD @ 60 Hz 3x QHD @ 60 Hz 2x 4K @ 60 Hz For hosts that support DisplayPort 1.2: 3x FHD @ 60 Hz 2x QHD @ 60 Hz 1x 4K @ 60 Hz
Power to system	Up to 65W via USB-C [®] . Up to 65W on non HP machines. Separate AC power needed for HP ZBooks that require more than 65W power delivered via USB-C alt mode ² .
Cable length	1.0 m
Manageability features	PXE Boot ³ , connected firmware updates ⁴ , LAN/WLAN switching, In-band MAC Address Pass-Through ⁵
Power to host (USB-C PD)	5V, 9V, 10V, 12V, 15V, 20V all at 5A MAX
Operating systems¹	Windows 11 21H2 Windows 11 22H2 Windows 10 21H2 Windows 10 22H2 ChromeOS v103 and later macOS Monterey 12.4 and later macOS Big Sur 11.6
Power adapter	120W ⁶
Power barrel connector	4.5mm
Networking	Supports 1 Gb of Ethernet
Platform compatibility	Tested and supported on select G8/G9 commercial HP notebooks. For HP notebook compatibility please visit: https://pcb.inc.hp.com/webapp/#!/us-en and search by

Technical Specifications

	notebook. Tested and supported on the following 3rd party notebooks: Apple MacBook Air Retina 2020, Google Pixelbook Go, Google Pixelbook Go 2, Apple MacBook Pro M1 2020, MacBook Air M1 2020, and Dell Latitude 7420.
What's in the box	HP USB-C G5 Essential Dock, 120W power adapter, power cord, Quick Setup Poster, Warranty Card, Product Notice.

1. The Display Stream Compression (DSC) supported version and color format depends on graphics capability. Display Stream Compression (DSC) is disabled when display is attached to the VGA port or to an external DP2 VGA dongle. If the system does not support Display Stream Compression, then the system must support DisplayPort 1.4 with high-res mode enabled in the system.
2. This dock does not currently support out-of-band MAC Address Pass-Through. This dock does support in-band MAC Address Pass-Through on HP G8 and G9 supported commercial notebooks and requires a NIC driver that can be found on <https://support.hp.com>. In-band MAC Address Pass-Through requires the Windows OS to be running in order to operate. On (S0) and Standby Sleep states (S3) are supported. Out-of-band MAC Address Pass-Through functionality is planned for 1st half of 2023 through a firmware update. For USB-C® alt mode functionality, host PC must support the DisplayPort™ Alt mode protocol through its USB-C® or Thunderbolt™ port. Charging and port replication is supported on notebooks that have implemented USB-C® Alt Mode industry specifications. Power button to turn on or wake the system only functions on HP or HP supported notebooks. PXE Boot functionality will depend on whether the host systems firmware has the EFI driver available. Connected firmware updates will require the end user to sit through the firmware update process until completed. HP does not provide Ethernet and audio drivers on Mac PCs.
3. PXE Boot functionality will depend on whether the host systems firmware has the EFI driver available.
4. Your docking station is not useable while updating.
5. This dock does not currently support out-of-band MAC Address Pass-Through. This dock does support In-band MAC Address Pass-Through on HP G8 and G9 supported commercial notebooks and requires a NIC driver that can be found on <https://support.hp.com>. In-band MAC Address Pass-Through requires the Windows OS to be running in order to operate. On (S0) and Standby Sleep states (S3) are supported. Out-of-band MAC Address Pass-Through functionality is planned for 1st half of 2023 through a firmware update.
6. Cannot use any wattage below 120W. Only 120W or above. More wattage does not provide more power to the system.

Technical Specifications

Video Resolution *(Continue on the next page)*

Video resolution and support is dependent on the maximum capability of the notebook.¹
This table shows which ports to use to achieve the display configuration.

	Display Configurations	Output ports
Single Display	(1) 2.5k Display	Any port
	(1) 4k Display	Any port
	(1) 5K single cable*	Either DP port
	(1) 5K dual cable	Both DP ports
	(1) 8K dual cable	Both DP ports
	(1) 8K single cable*	Either DP port
Dual Displays	(2) FHD Displays	Any 2 ports
	(2) 2.5k Displays	Any 2 ports
	(1) 4K and (1) FHD	Any 2 ports
	(2) 4k Displays	Any 2 ports
	(1) 5K single* + 1 FHD	5K on either DP, FHD on any other port
	(1) 5K dual cable + 1 FHD	Both DP ports for 5K and FHD on HDMI
Triple Displays	(3) 1680 x 1050 Displays	All 3 ports
	(3) FHD Displays	All 3 ports
	(2) 2.5K and (1) FHD	Any 3 ports
	(3) 2.5K	All 3 ports
	(1) 4K + (1) 2.5k + (1) FHD	Any 3 ports
	(1) 4k and (2) 2.5k Displays	Any 3 ports
	(2) 4K and (1) FHD	Any 3 ports
	(3) 4K	Any 3 ports
	(2) 5K single cable* and (1) 4K	5K on either DP, 4K on HDMI

1. For Chrome users, dual displays are supported at full HD. Triple displays are only supported on select Chromebox machines. For Apple users, the maximum display resolution using Apple is one display on a DP 1.4 host at UHD@60Hz. On an Apple DP 1.2 host you will get QHD~2.5K.

*Information provided for when single cable 5K and 8K displays are available on the market.

Technical Specifications

Video Resolution

	Display Configurations ¹	Host					
		High Res mode DP Alt Mode (DP x4)			Multi-Function (default)(DP x2)		
		DP 1.2	DP 1.3/1.4	DP 1.4w/DSC**	DP 1.2 MF	DP1.3/1.4MF	DP1.4 MF w/DSC**
Single Display	(1) 2.5K Display	Y	Y	Y	Y	Y	Y
	(1) 4K Display	Y	Y	Y		Y	Y
	(1) 5K single cable*		Y	Y			Y
	(1) 5K dual cable	Y (D5)	Y (D5)	Y (D5)			Y (D5)
	(1) 8K dual cable			Y (D5)			
	(1) 8K single cable*			Y			
Dual Displays	(2) FHD Displays	Y	Y	Y	Y	Y	Y
	(2) 2.5K Displays	Y	Y	Y		Y	Y
	(1) 4K and (1) FHD	Y	Y	Y		Y (D3)	Y
	(2) 4K Displays		Y (D1)	Y			Y
	(1) 5K single* + 1 FHD		Y (D4)	Y			Y
	(1) 5K dual cable + 1 FHD			Y (D5)			Y (D5)
Triple Displays	(3) 1680 x 1050 Displays	Y	Y	Y	Y	Y	Y
	(3) FHD Displays	Y	Y	Y		Y	Y
	(2) 2.5K and (1) FHD	Y	Y	Y			Y
	(3) 2.5K		Y	Y			Y
	(1) 4K + (1) 2.5K + (1) FHD		Y	Y			Y
	(1) 4K and (2) 2.5K Displays		Y (D1)	Y			Y
	(2) 4K and (1) FHD			Y			Y (D2)
	(3) 4K			Y			
	(2) 5K single cable* and (1) 4K			Y			

1. Assumes the host supports up to 3 simultaneous displays with no resolution limitations. Some lower power processors may have a resolution limitation.

NOTES:

D1 - Only supports up to 3840 x 2160 (UHD 4K)

D2 - Only supports up to dual 3840 x 2160 (UHD 4K) and 1920 x 1080 (FHD)

D3 - Only supports up to 4096 x 2160 (4K) @ 30Hz

D4 - Supports up to 5120 x 2880 (5K) and 1920 x 1080 (FHD) with reduced blanking timing

D5 - Both DP cables must be connected to the same graphics controller and the graphics driver must support the tile display feature under MST. Currently, no GPU (in 2019) supports tiled 5K and 8K over MST. However, it is possible that future GPUs may add this support.

Unless noted, displays are driven @ 60Hz, 8bpp

*Information provided for when single cable 5K and 8K displays are available on the market.

** The DSC supported version and color format depends on GFX capability. DSC is disabled when display is attached to the VGA port or to an external DP2VGA dongle

FHD = 1920 x 1200 or 1920 x 1080

2.5K = 2560 x 1600 or 2560 x 1440

4K = 4096 x 2160 or 3840 x 2160

5K = 5120 x 2880

Change log

© Copyright 2023 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Thunderbolt™ is a trademark of Intel Corporation in the U.S. and other countries. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

Date of change:	Version History:	Description of change:
November 15, 2022	From v1 to v2	Specifications general edits and rearrangement.
January 9, 2023	From v2 to v3	Charging ports gen updated