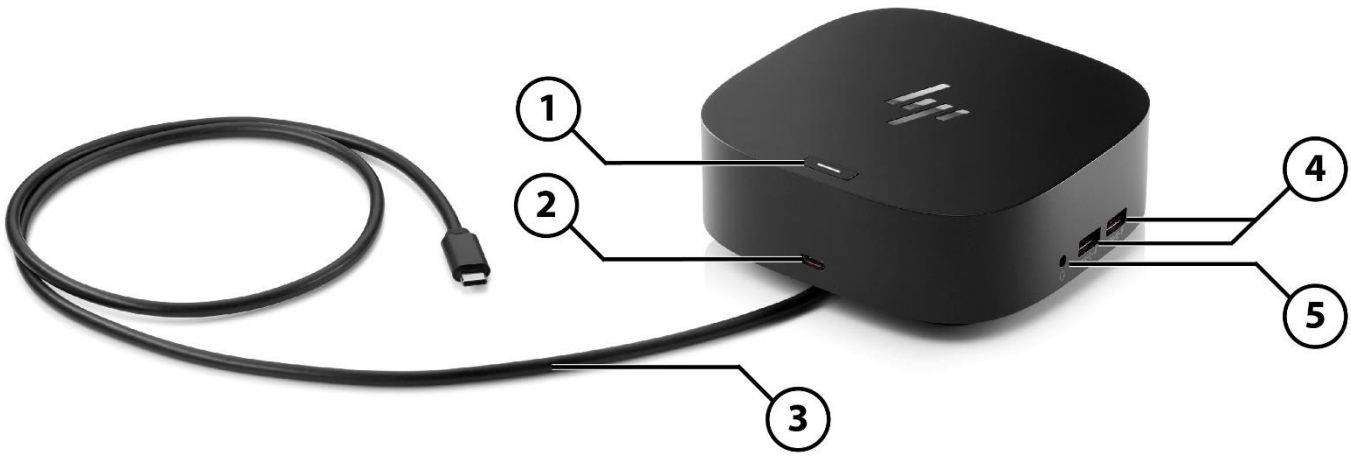
Overview

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 1charging 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
2. (2) DisplayPort™ 1.4 ports
3. (1) Standard lock slot
4. (1) HDMI 2.0 port
5. (1) RJ45 port

Overview

HP USB-C G5 Essential Dock

Bottom View

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

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, MAC Address Pass-Through[5], Wake-on-LAN[6]
Power to host (USB-C PD)	Up to 65W – 5V/3A, 9V/3A, 12V/5A, 15V/4.33A, 20V/3.25A
Supported Operating Systems[1]	Windows 11 21H2 Windows 11 22H2 Windows 10 21H2 Windows 10 22H2 macOS Monterey 12.4 and later macOS Big Sur 11.6
Power adapter	120W[7]
Power barrel connector	4.5mm
Security slot type	1x Kensington Lock Slot, compatible with the following HP locks: T1A62AA HP Keyed Cable Lock 10mm T1A63AA HP Keyed Cable Lock 10mm (master) T1A64AA HP Dual Headed Keyed Cable Lock 10mm

Technical Specifications

	T1A65AA HP Dual Headed Keyed Cable Lock 10mm (master) T0Y16AA HP Essential Combination Lock T0Y15AA HP Combination Lock
Networking	Supports 1 Gb of Ethernet
Supported Platforms	Tested and supported on select commercial HP notebooks. For HP notebook compatibility please visit: https://pcb.inc.hp.com/webapp/#!/us-en and search by notebook. Tested and supported on the following 3rd party notebooks: Apple MacBook Pro 13 2022 (M2), Dell Latitude 7430 2022 (12th Gen Intel® Core™), Dell XPS 13 2022 (12th Gen Intel® Core™), Lenovo ThinkPad X1 Carbon Gen 9 2021 (11th Gen Intel® Core™), Lenovo ThinkPad X1 Carbon Gen 10 2022 (12th Gen Intel® Core™).
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. 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 require internet connection and your docking station is not useable while updating. 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. Connected firmware updates require internet connection and your docking station is not useable while updating.
5. Your laptop PC may support MAC address pass-through from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep. Certain features are not functional on non-HP supported or non-HP laptop PCs. MAC address pass-through supports S0, S3, S4, S5 from warm and cold dock.
6. Your laptop PC may support Wake-on-LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep. Wake-on-LAN is not functional on non-HP supported or non-HP laptop PCs. Wake-on-LAN from warm and cold dock.
7 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 x1200 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

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
February 3, 2023	From v3 to v4	Power to host (USB-C PD) updated
May 15, 2023	From v4 to v5	Manageability features, Security slot type, Platform compatibility and disclaimers updated on Components table
May 19, 2023	From v5 to v6	Disclaimer #2 in components table updated
October 17, 2023	From v6 to v7	Operating System" changed to “Supported Operating Systems" and "Compatibility" to "Supported Platforms"
February 24, 2024	From v7 to v8	Supported Platforms section updated