Introduction

Docking Stations Models

HP USB-C Dock G5	5TW10AA/5TW10UT/5TW10ET
HP USB-C/A Universal Dock G2	5TW13AA/5TW13UT/5TW13ET
HP 4.5 mm and USB-C Dock Adapter G2	6LX61AA

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 1

Introduction

It is common practice to use more than one dock with your computer. There are users who have a dock at the office, carry a travel hub or dock for use while traveling and also have a dock at home.
There are many reasons to use a lock with your computer and your dock. The currently shipping docks:
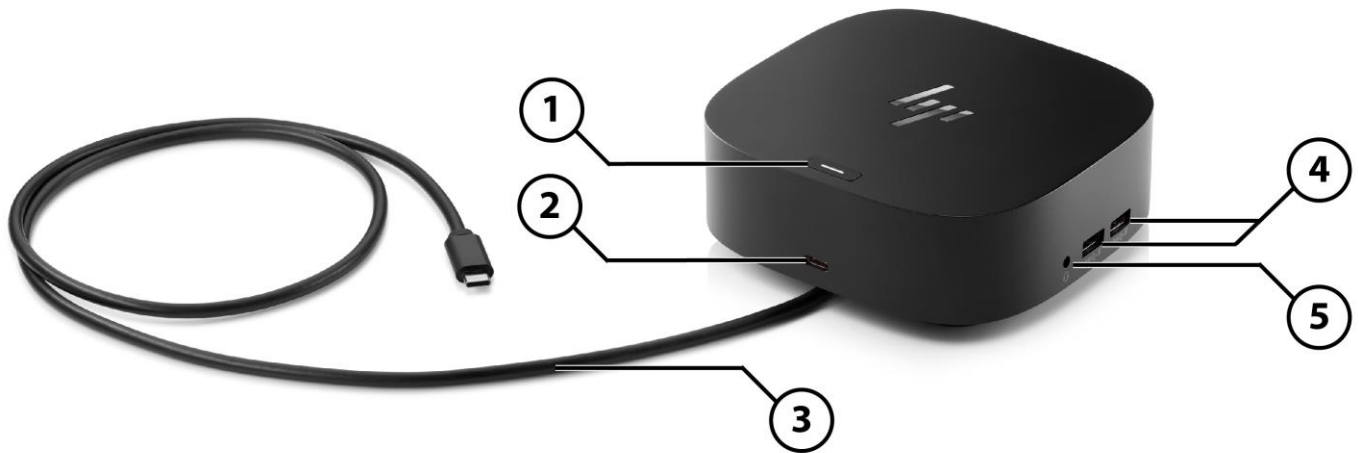
HP USB-C Dock G5	5TW10AA/5TW10UT/5TW10ET
HP USB-C/A Universal Dock G2	5TW13AA/5TW13UT/5TW13ET

are compatible with the following HP locks:

HP Dual Head Keyed Cable Lock	T1A64AA
HP Keyed Cable Lock 10mm	T1A62AA
HP Combination Lock	T0Y15AA

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 2

Technical Specifications - HP USB-C Dock G5

HP USB-C Dock G5

Front and Side View

1. 1 LED power button
2. 1 USB -C 3.2 port with data and power out (15W)
3. 1 USB-C cable to connect to host system (1 meter length)

4. 2 USB-A 3.2 Gen 1charging ports
5. 1 Combo audio jack

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 3

Technical Specifications - HP USB-C Dock G5

HP USB-C Dock G5

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

Bottom View

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

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 4

QuickSpecs

Technical Specifications - HP USB-C Dock G5

HP USB-C Dock G5

Components	
Part number	5TW10AA/5TW10UT/5TW10ET
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 to power or wake host system[1]
Front components	1 x USB-C 3.2 Gen 1 port with data and power out (15W) 1 x USB-C cable to connect to host system (1 meter cable length)
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: 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
Networking	Supports 1 Gb of Ethernet
Network manageability features	eTag Disconnected Firmware updates PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States[2]) MAC address pass-through (from the On, Off, Sleep or Hibernation States[3]) WLAN-LAN Switching
Power to system	Up to 100W via USB-C[4]. Up to 75W on non HP machines. Separate AC power needed for HP ZBooks that require more than 100W power delivered via USB-C alt mode.
Supported platforms	Tested and supported on the following 3rd party notebooks: Apple MacBook Pro 13 2022 (M2), Dell Latitude 5540 2022 (11th Gen Intel® Core™), 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™).
Power to host (USB-C PD)	5V, 9V, 10V, 12V, 15V, 20V all at 5A MAX

Technical Specifications - HP USB-C Dock G5

Supported operating systems	Windows 11 21H2 Windows 11 22H2 Windows 10 RS4 Windows 10 RS5 Windows 10 19H1 Windows 10 19H2 Windows 10 20H1 Windows 10 20H2 Windows 10 21H1 Windows 10 21H2 Windows 10 22H2 ChromeOS v92.0.4515.157 ChromeOS M92 (HP notebooks only) ChromeOS M93 (HP notebooks only) ThinPro 8.0 Windows 10 IoT Enterprise LTSC 2021 macOS Monterey v12.0 macOS Big Sur 11.5.2
Power adapter	120W
Security slot type	1x Kensington Lock Slot[5]
Power barrel connector	4.5mm

1. For USB-C functionality, host PC must support the DisplayPort™ Alt mode protocol through its USB-C port. Thunderbolt™-enabled notebooks will function at USB-C speeds. Charging and port replication is supported on notebooks that have implemented USB-C industry specifications. Power button to turn on or wake the system, Wake-on LAN from warm and cold dock, Wake-on LAN from S4/S5, and MAC Address Pass-Through S0, S3, S4, S5 warm and cold dock features only function on HP or HP-supported notebooks. HP does not provide Ethernet and audio drivers on Mac PCs.
2. Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
3. Your computer might support MAC address pass-through the On, Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
4. Due to Qualcomm system limitations, users can either enable the dock to charge the PC or allow PC to charge external devices through USB-C ports when PC is in S4 (hibernation) or S5 (off) state. The "USB-C Charging" setting in F10 settings is currently set to disabled, which allows the dock to charge the PC but disables the PC's capability to charge external devices through USB-C ports in S4/S5. Devices can be charged via USB-A on the PC or any USB port on the dock. To change this, visit the "USB-C Charging" setting in F10 and change to enable and connect the PC's AC adapter to continue use with the dock.
5. 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, T1A65AA HP Dual Headed Keyed Cable Lock 10mm (master), T0Y16AA HP Essential Combination Lock, T0Y15AA HP Combination Lock.
NOTE: 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 DP2 VGA dongle.

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 6

Technical Specifications - HP USB-C Dock G5

HP USB-C Dock G5

Video Resolution (Continues 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
NOTE*: Information provided for when single cable 5K and 8K displays are available on the market.

Technical Specifications - HP USB-C Dock G5

HP USB-C Dock G5

Video Resolution							
	Display Configurations¹	**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.
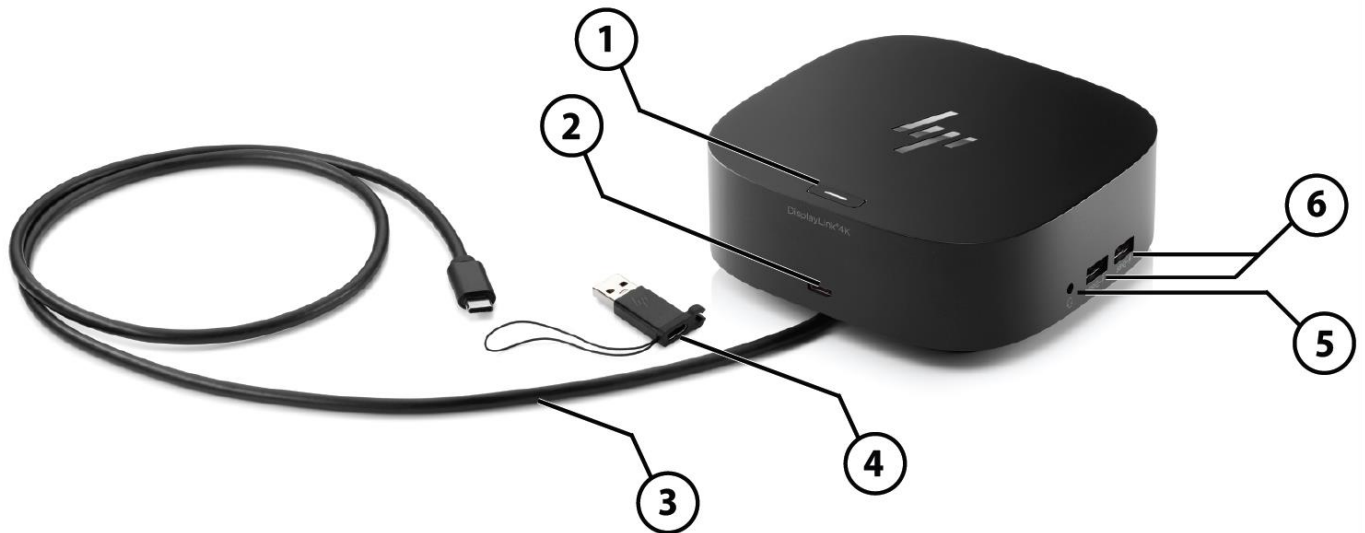FHD = 1920 x1200 or 1920 x 1080
2.5K = 2560 x 1600 or 2560 x 1440
4K = 4096 x 2160 or 3840 x 2160
5K = 5120 x 2880

Technical Specifications - HP USB-C/A Universal Dock G2

HP USB-C/A Universal Dock G2

Front and Side View

1. 1 LED power button
2. 1 Type-C USB 3.2 port with data and power out (15W)
3. 1 USB-C cable to connect to host system (1 meter length)
4. USB-A Adapter
5. 1 Combo audio jack
6. 2 USB-A 3.2 charging ports

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 9

Technical Specifications - HP USB-C/A Universal Dock G2

HP USB-C/A Universal Dock G2

Back View

1. 2 USB-A 3.2 charging ports
2. 2 DisplayPort™ 1.2 ports
3. 1 Standard lock slot

4. 1 HDMI 2.0 port
5. 1 RJ45 port

Bottom View

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

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 10

Technical Specifications - HP USB-C/A Universal Dock G2

HP USB-C/A Universal Dock G2

Components	
This table shows how to achieve the resolutions provided in the previous table. Please refer to the notes at the bottom of the table.	
Part number	5TW13AA/5TW13UT/5TW13ET
Product dimensions (L x W x H)	4.80 x 4.80 x 1.77 in (122 x 122 x 45 mm)
Package dimensions (L x W x H)	7.63 x 6.18 x 6.57 in (194 x 157 x 167 mm)
Weight	1.53 lb (0.695 kg)
Top components	Mechanical power button with LED indicator to power or wake host system[1]
Front components	1 x USB-C 3.2 Gen 1 port with data and power out (15W) 1 x USB-C cable to connect to host system (1 meter cable length)
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™ 1.2 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: 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 support DisplayPort 1.2: 3x FHD @ 60 Hz 2x QHD @ 60 Hz 1x 4K @ 60 Hz
Networking	Supports 1 Gb of Ethernet
Network manageability features	eTag Disconnected Firmware updates PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States[2]) MAC address pass-through (from the On, Off, Sleep or Hibernation States[3]) WLAN-LAN Switching
Power to system	Up to 100W via USB-C. Up to 75W on non HP machines. Separate AC power needed for HP ZBooks that require more than 100W power delivered via USB-C alt mode.
Supported platforms	Tested and supported on the following 3rd party notebooks" part should read: Tested and supported on the following 3rd party notebooks: Apple MacBook Pro 13 2022 (M2), Dell Latitude 5540 2022 (11th Gen Intel® Core™), Dell Latitude 7430 2022 (12th Gen Intel® Core™), Dell XPS 13 2022 (12th Gen Intel® Core™), Lenovo ThinkPad X1 Carbon Gen 10 2022 (12th Gen Intel® Core™).
Power to host (USB-C PD)	5V, 9V, 10V, 12V, 15V, 20V all at 5A MAX

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 11

Technical Specifications - HP USB-C/A Universal Dock G2

Supported operating systems	Windows 11 21H2 Windows 11 22H2 Windows 10 RS4 Windows 10 RS5 Windows 10 19H1 Windows 10 19H2 Windows 10 20H1 Windows 10 20H2 Windows 10 21H1 Windows 10 21H2 Windows 10 22H2 Windows 7ChromeOS v92.0.4515.157 ChromeOS M92 (HP notebooks only) ChromeOS M93 (HP notebooks only) ThinPro 8.0 Windows 10 IoT Enterprise LTSC 2021 macOS Monterey v12.0 macOS Big Sur 11.5.2
Drivers	DisplayLink drivers must be downloaded either through the HP support site or via Microsoft Windows updates.
Power Adapter	120W
Security Slot Type	1x Kensington Lock Slot[4]
Power Barrel Connector	4.5mm

1. For USB-C functionality, host PC must support the DisplayPort™ Alt mode protocol through its USB-C port. Thunderbolt™-enabled notebooks will function at USB-C speeds. Charging and port replication is supported on notebooks that have implemented USB-C industry specifications. Power button to turn on or wake the system, Wake-on LAN from warm and cold dock, Wake-on LAN from S4/S5, and MAC Address Pass-Through S0, S3, S4, S5 warm and cold dock features only function on HP or HP-supported notebooks. HP does not provide Ethernet and audio drivers on Mac PCs.
2. Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
3. Your computer might support MAC address pass-through the On, Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
4. 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, T1A65AA HP Dual Headed Keyed Cable Lock 10mm (master), T0Y16AA HP Essential Combination Lock, T0Y15AA HP Combination Lock.

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 12

Technical Specifications - HP USB-C/A Universal Dock G2

HP USB-C/A Universal Dock G2

Video Resolution Video resolution and support is dependent on the maximum capability of the notebook.							
	Display Configurations[1]	DP1	DP2	HDMI	Host		
					Multi-Function (default)(x2 DP)		
					DP 1.2 MF	DP1.3/1.4MF	DP1.4 MF w/DSC
Single Display	(1) 4K Display	Any port					
	(1) 5K dual cable	Both DP ports					
Dual Displays	(2) 4K Displays	Any 2 ports *D1					
	(1) 5K dual cable + (1) 2.5K	Both DP ports for 5K and 2.5K on HDMI			Y	Y	Y
	(1) 5K dual cable + (1) 4K	Both DP ports for 5K and 4K on HDMI			Y (D2)	Y (D1)	Y
Triple Displays	(3) 2.5K Displays	All 3 ports			Y	Y	Y
	(2) 4K Displays + (1) 2.5K	4K on DP ports *D1, 2.5k on HDMI			Y	Y	Y
	(3) 4K Displays	4K on DP ports *D1 and 4K on HDMI			Y (D2)	Y (D1)	Y

High Res Video Resolution							
	Display Configurations/High Resolution Mode[1]	DP1	DP2	HDMI	Host		
					High Res mode DP Alt Mode (DP x4) **		
					DP 1.2	DP1.3/1.4	DP1.4 w/DSC
Single Display	(1) 4K Display	Any port[2]			Y	Y	Y
Dual Displays	(2) 4k Displays	Any 2 ports; DP ports limited to UHD 4K[2]			Y	Y	Y
Triple Displays	(3) 4K Displays	4K on both DP ports (D1) and 4K on HDMI[2]			Y	Y	Y

1. Assumes the host supports up to 3 simultaneous displays with no resolution limitations. Some lower power processors may have a resolution limitation.
2. In High Res mode, DisplayLink is running at USB2.0 speeds. This has a significant performance impact on DP1 and DP2 output.
NOTES:
D1 - Only supports 3840 x 2160 (UHD 4K)
D2 - Only supports 4096 x 2160 (4K @ 30Hz) on HDMI
**DP host is only applicable to the HDMI output when BOTH DP ports are active, or when the host is in High Res mode
Unless noted, displays are driven @ 60Hz, 8bpp
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

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 13

Technical Specifications - HP 4.5 mm and USB-C Dock Adapter G2

HP 4.5 mm and USB-C Dock Adapter G2

1. 1 Type-C USB 3.2 port to connect your HP USB-C/A Universal Dock G2 Type-C cable
2. 1 4.5 mm barrel AC adapter (65 W)
3. 1 Type-A USB 3.2 Plug Port

HP 4.5 mm and USB-C Dock Adapter G2 shown with the HP USB-C/A Universal Dock G2

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 14

Technical Specifications - HP 4.5 mm and USB-C Dock Adapter G2

HP 4.5 mm and USB-C Dock Adapter G2

Components	
Part number	6LX61AA
Model number	HSA-Q001
Dimensions	without cable: 1.77 x 1.33 x 0.39 in (45 x 34 x 10 mm) with cable: 8.14 x 1.33 x 0.39 in (206.9 x 34 x 10 mm)
Weight	0.053 lb (0.024 kg)
Front components	1 x Type-A USB 3.2 Plug Port (USB signal only) 1 x 4.5 mm DC Barrel Plug Connector (Power only)
Rear components	USB-C Receptacle (USB signal + PD power)
Input power	20V/3.3A (66W) max
Output power	20V/3.25A (65W) max
Supported operating systems	Windows 7 and above, Windows10 S4, Chrome
Normal operation voltage	20V
Average operation power	0.7W
Max operation power	1W
Temperature (operation)	32~104 F (0~°C)
Temperature (non-operation)	-4~140 F (-20~+60°C)
Relative humidity (operation)	20%~90% RH, non-condensing
Relative humidity (non-operation)	20%~95% RH, non-condensing
Altitude (operation)	10000ft (3048m)
Altitude (non-operation)	30000ft (9144m)
Shock (operation)	40G, 2 ms, half-sine
Shock (non-operation)	240G, 2 ms, half-sine
Random vibration (operation)	~0.21Grms, 50~2000 Hz
Random vibration (non-operation)	~2.09Grms, 50~2000, non-operating
Option kit contents	HP 4.5mm and USB-C Dock Adapter G2
Supported platform	HP USB-C/A Universal Dock G2

NOTE: The HP 4.5mm and USB-C Dock Adapter G2 is only compatible with the HP USB-C/A Universal Dock G2.

Not all configuration components are available in all regions/countries.
c09126888 – Worldwide – Version 1 – February 19, 2025

Page 15

Summary of Changes

Date of change	Version 1 to 2		Description of change
	V1 to V2		