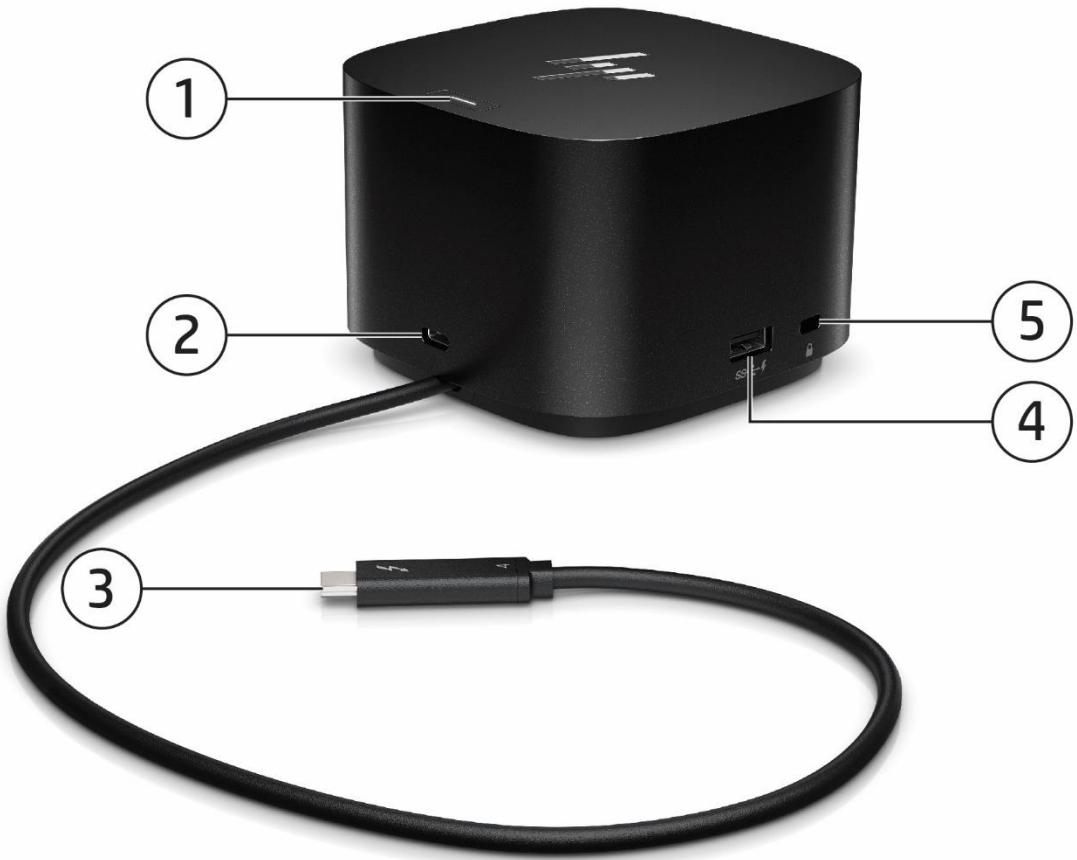


Overview

HP Thunderbolt G4 Dock - 120W/280W (120W version with USB-C alt mode cable shown)



1. (1) Mechanical power button¹
2. (1) Type-C® USB 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
3. (1) USB-C alt-mode cable (delivering up to 100W power)²
4. (2) USB-A 3.2 Gen 1 (5 Gbps; power output: 7.5W) charging port - 1 on each side
5. (1) Standard Kensington lock slot

1. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.
2. 75W delivery to non-HP laptops.

Overview

HP Thunderbolt G4 Dock - 120W/280W (280W version with cable combo shown)



1. (2) USB-A 3.2 Gen 1 (5 Gbps; power output: 7.5W) charging port - 1 on each side	4. (1) Type-C® USB 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
2. (1) 4.5mm power barrel (delivering up to 230W power to host)	5. (1) Mechanical power button
3. (1) USB-C alt-mode cable (delivering up to 100W power) ²	

1. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.
2. 75W delivery to non-HP laptops.

Overview



1. (2) USB-A 3.2 Gen 1 (5 Gbps each) ports
2. (2) DisplayPort 1.4 ports
3. (1) USB-C 3.2 Gen 1 DisplayPort
4. (1) HDMI 2.0 port
5. (1) Thunderbolt 4 port
6. (1) Power barrel port (120W or 280W)
7. (1) Indicator light
8. (1) Ethernet port: 2 internal NIC cards to support 1Gb and 2.5Gb Ethernet¹

1. Requires infrastructure that supports 2.5Gb Ethernet speeds.

Technical Specifications

Components	
Part Number	HP Thunderbolt 120W G4 Dock - 4J0A2AA HP Thunderbolt 280W G4 Dock w/Combo Cable - 4J0G4AA
Dimensions (HxWxD)	3.9 x 3.9 x 2.7 in (98 x 98 x 68 mm)
Weight	120W: 1.68 lbs (762 g) 280W: 1.76 lbs (798.3 g)
Security	HP Sure Start ¹
Operating systems²	Windows 10, Windows 11, MacOS, ChromeOS
Systems management	Wired vPRO Management
Top components	Mechanical power button with LED indicator to power or wake host system ³
Front components	(1) USB Type-C® 3.2 Gen 2 (10 Gbps) port with data and power out (15W) 4J0A2AA: (1) USB-C cable to connect to host system (0.8 m cable length) 4J0G4AA: (1) USB-C cable to connect to host system (0.8 m cable length) and (1) 4.5mm power barrel
Side components	Right side: (1) Kensington Standard Lock Slot (2) USB-A 3.2 Gen 1 (5 Gbps; power output: 7.5W) charging port - 1 on each side
Back components	(2) USB-A 3.2 Gen 1 (5 Gbps each) ports (1) HDMI 2.0 port (2) DisplayPort 1.4 ports (1) Power barrel port (120W or 280W) (1) Ethernet port: 2 internal NIC cards to support 1 Gb and 2.5 Gb Ethernet ⁴ (1) USB-C® 3.2 Gen 1 DisplayPort (1) Thunderbolt™ 4 port
Network manageability features	vPRO (wired) ⁴ eTag Disconnected Firmware updates PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States ⁵) MAC address pass-through (from the On, Off, Sleep or Hibernation States ⁶) WLAN-LAN Switching
Networking	Supports 1 Gb and 2.5G Ethernet
Power to system	Up to 100W via USB-C with the 120W version Up to 230W on HP platforms with the 280W version via the combo cable Up to 75W via USB-C on non-HP platforms
External monitor support	Up to four 4k depending on platform capabilities
Power delivery (PD) profiles	PD 3.0: 5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A
Operating voltage and current	120W: Input 100 to 240V 1.7A 50 to 60Hz. Output is 19.5V at 6.15A 280W: Input 100 to 240V 1.7A 50 to 60Hz. Output is 19.5V at 14.35A
Temperature (operating)	0° C to 35° C (32° F to 95° F)

Technical Specifications

Relative humidity noncondensing (operating)	10 % to 90 %
Maximum altitude unpressurized (operating)	15 m to 3,048 m (- 50 ft to 10,000 ft)
Cable length	0.8 m
Security slot type	Standard Kensington lock slot
Warranty	1-0-0
What's in the box	Dock, power supply, power cord, warranty
Country of origin	China and Taiwan

1. HP Sure Start on HP Thunderbolt G4 dock supports firmware integrity verification and recovery it does not include real-time and runtime protections or Microsoft SCCM integration typically found on HP Sure Start in HP notebooks.
2. Operating systems supported: Windows 10 19H1 and up, Win 10 IoT Enterprise LTSC 2021, Windows 11 21H2 and up, ChromeOS M101 and up, Ubuntu Linux 20.04 LTS with 5.14 kernel, ThinPro OS 8.0 and MacOS Big Sur 12.1. Not all features work with all operating systems, ask your sales representative about compatibility with your PC. Linux testing currently underway and expected to be completed after launch.
3. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.
4. Requires infrastructure that supports 2.5 GB Ethernet speeds.
5. Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
6. 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. Thunderbolt™ host systems require Thunderbolt™ software (minimum SW17.x). Ethernet drivers need to be installed separately on non-HP Windows systems for headset auto switching functionality. Drivers available on HP website.

For MAC PCs, HP does not provide ethernet and audio drivers.

Firmware updates on Window-based host systems only.

Certain features are not functional on non-HP supported nor non-HP notebooks:

- Power button to turn on or wake the system.
- Wake on LAN from warm and cold dock.
- Wake on LAN from S4/S5.
- MAC Address pass-through S0, S3, S4, S5 warm and cold dock.

Technical Specifications

HP Thunderbolt™ G4 Dock video resolution specifications

Video resolution and support is dependent on the maximum capability of the notebook.

(All Thunderbolt resolutions assume at least dual DP streams. All high resolution mode resolutions assume 4 DP streams)

Host Specification					
DP 1.2 Thunderbolt™ host:	<p>Dual 4K @30Hz or dual 4K UHD @ 60Hz or (1) 6k TBT running multiple tiles</p> <p><i>Triple displays:</i> (3) 2.5k @30Hz</p> <p><i>Quad displays:</i> (3) 2.5k @30Hz + (1) FHD @ 30Hz</p>				
DP 1.2 USB-C host:	<table border="1"> <tr> <td>Multi-function mode</td><td> <p><i>Single display:</i> (1) 4K DCI @ 30Hz</p> <p><i>Dual display:</i> (1) 4K DCI @ 30Hz + (1) FHD @ 30Hz</p> <p><i>Triple displays:</i> (3) FHD @30Hz</p> </td></tr> <tr> <td>High resolution mode</td><td> <p><i>Single display:</i> (1) 4K DCI @60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 2.5k @30</p> </td></tr> </table>	Multi-function mode	<p><i>Single display:</i> (1) 4K DCI @ 30Hz</p> <p><i>Dual display:</i> (1) 4K DCI @ 30Hz + (1) FHD @ 30Hz</p> <p><i>Triple displays:</i> (3) FHD @30Hz</p>	High resolution mode	<p><i>Single display:</i> (1) 4K DCI @60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 2.5k @30</p>
Multi-function mode	<p><i>Single display:</i> (1) 4K DCI @ 30Hz</p> <p><i>Dual display:</i> (1) 4K DCI @ 30Hz + (1) FHD @ 30Hz</p> <p><i>Triple displays:</i> (3) FHD @30Hz</p>				
High resolution mode	<p><i>Single display:</i> (1) 4K DCI @60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 2.5k @30</p>				
Host Specification					
DP 1.3/1.4 Thunderbolt host:	<p><i>Single display:</i> (1) 4K DCI @60Hz</p> <p><i>Dual displays:</i> (2) 4K UHD @60Hz</p> <p><i>Triple displays:</i> (2) 5K single cable@30Hz + (1) 2.5K@30Hz or (3) 4K DCI @ 30Hz</p>				
DP 1.3/1.4 USB-C host:	<table border="1"> <tr> <td>Multi-function mode</td><td> <p><i>Single display:</i> (1) 5k Ultra Wide @60Hz or (1) 4K DCI @ 60Hz</p> <p><i>Triple displays:</i> (3) 2.5K@ 30Hz</p> </td></tr> <tr> <td>High resolution mode</td><td> <p><i>Single display:</i> (1) 5k Ultra Wide (5120X1440) @ 60Hz or (1) 8k single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K UHD @60Hz or (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz</p> </td></tr> </table>	Multi-function mode	<p><i>Single display:</i> (1) 5k Ultra Wide @60Hz or (1) 4K DCI @ 60Hz</p> <p><i>Triple displays:</i> (3) 2.5K@ 30Hz</p>	High resolution mode	<p><i>Single display:</i> (1) 5k Ultra Wide (5120X1440) @ 60Hz or (1) 8k single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K UHD @60Hz or (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz</p>
Multi-function mode	<p><i>Single display:</i> (1) 5k Ultra Wide @60Hz or (1) 4K DCI @ 60Hz</p> <p><i>Triple displays:</i> (3) 2.5K@ 30Hz</p>				
High resolution mode	<p><i>Single display:</i> (1) 5k Ultra Wide (5120X1440) @ 60Hz or (1) 8k single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K UHD @60Hz or (2) 4K DCI @ 30Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz</p>				
Host Specification					
DP 1.4 with DSC Thunderbolt host:	<p><i>Single display:</i> up to (1) 8K Thunderbolt with multiple tiles @ 60Hz</p> <p><i>Dual displays:</i> (2)4K DCI @ 60Hz or</p> <p><i>Triple displays:</i> (3) 4K@ 60Hz up to (2) 5K single cable @30Hz + (1) 4K UHD @30Hz</p> <p><i>Quad displays:</i> (4) 4K DCI @ 60Hz</p>				
DP 1.4 with DSC USB-C host:	<table border="1"> <tr> <td>Multi-function mode</td><td> <p><i>Single display:</i> (1) 4K DCI @ 60Hz up to (1) 8K single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60 Hz up to (1) 5K dual cable + (1) 4K</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz or (3) 4K UHD @ 60Hz up to (2) 5K single cable@30Hz + (1) 4KUHD @30Hz</p> </td></tr> <tr> <td>High resolution mode</td><td> <p><i>Single display:</i> upto (1) 8K dual @ 60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60Hz or up to (2) 5K single cable + (1) 4K UHD@ 60 Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 60Hz up to (2) 5K single cable + (1) 4K UHD</p> </td></tr> </table>	Multi-function mode	<p><i>Single display:</i> (1) 4K DCI @ 60Hz up to (1) 8K single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60 Hz up to (1) 5K dual cable + (1) 4K</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz or (3) 4K UHD @ 60Hz up to (2) 5K single cable@30Hz + (1) 4KUHD @30Hz</p>	High resolution mode	<p><i>Single display:</i> upto (1) 8K dual @ 60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60Hz or up to (2) 5K single cable + (1) 4K UHD@ 60 Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 60Hz up to (2) 5K single cable + (1) 4K UHD</p>
Multi-function mode	<p><i>Single display:</i> (1) 4K DCI @ 60Hz up to (1) 8K single cable @ 30Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60 Hz up to (1) 5K dual cable + (1) 4K</p> <p><i>Triple displays:</i> (3) 4K DCI @ 30Hz or (3) 4K UHD @ 60Hz up to (2) 5K single cable@30Hz + (1) 4KUHD @30Hz</p>				
High resolution mode	<p><i>Single display:</i> upto (1) 8K dual @ 60Hz</p> <p><i>Dual displays:</i> (2) 4K DCI @ 60Hz or up to (2) 5K single cable + (1) 4K UHD@ 60 Hz</p> <p><i>Triple displays:</i> (3) 4K DCI @ 60Hz up to (2) 5K single cable + (1) 4K UHD</p>				

Summary of changes

Date of change	Version		Description of change
June 7, 2022	V1 to V2	Update	Call outs and tables generally corrected
June 15, 2022	V1 to V2	Removal	Dual displays: (2) 4K UHD @60Hz removed from DP 1.3/1.4 USB-C host Multi-function mode specs
	V2 to V3		
	V3 to V4		
	V4 to V5		
	V5 to V6		
	V6 to V7		
	V7 to V8		
	V8 to V9		
	V9 to V10		
	V10 to V11		
	V11 to V12		
	V12 to V13		
	V13 to V14		
	V14 to V15		

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