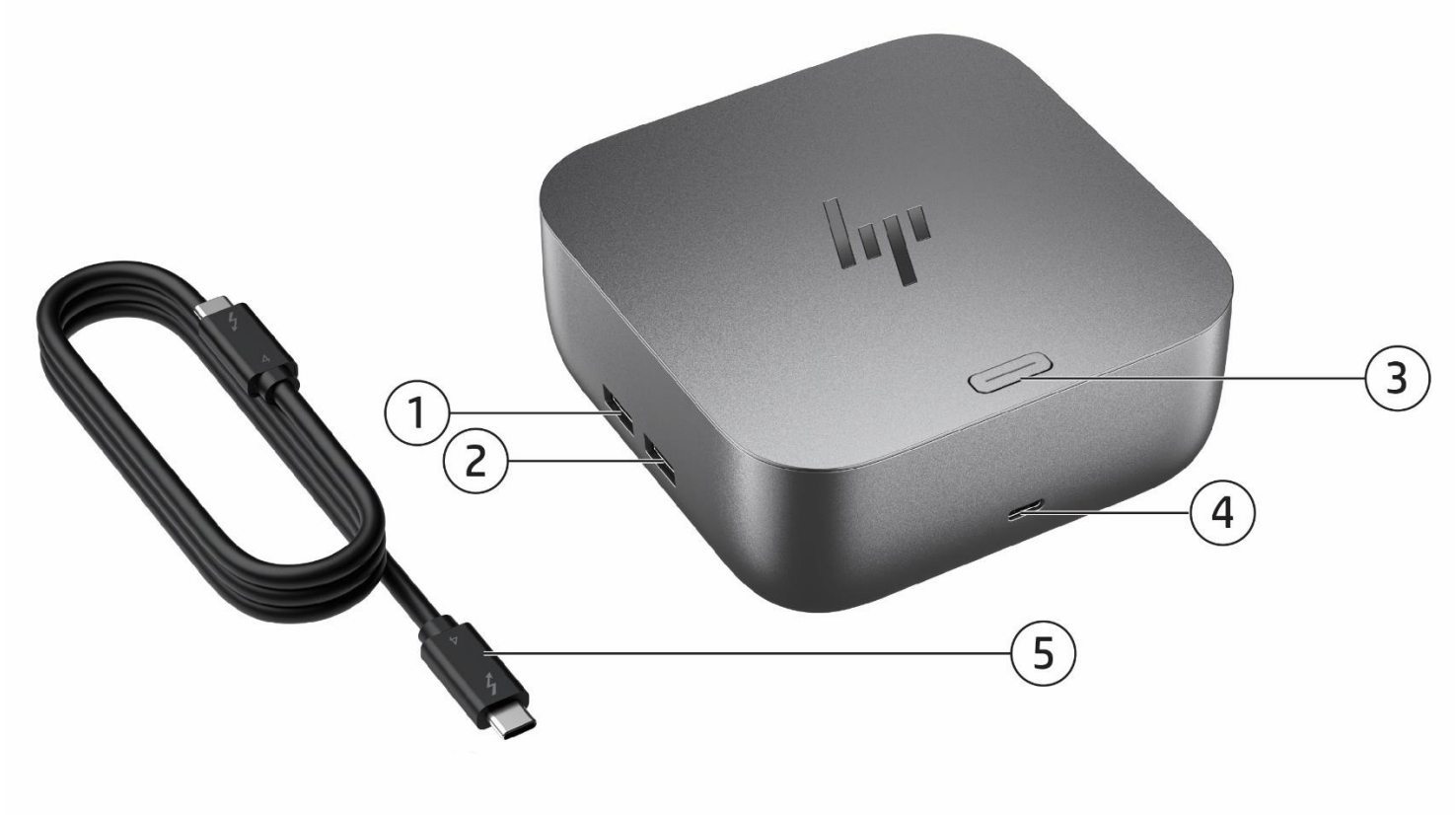
Overview

HP Thunderbolt 4 Ultra 180W G6 Dock
HP Thunderbolt 4 Ultra180W TAA G6 Dock
(with Thunderbolt 4 cable shown)

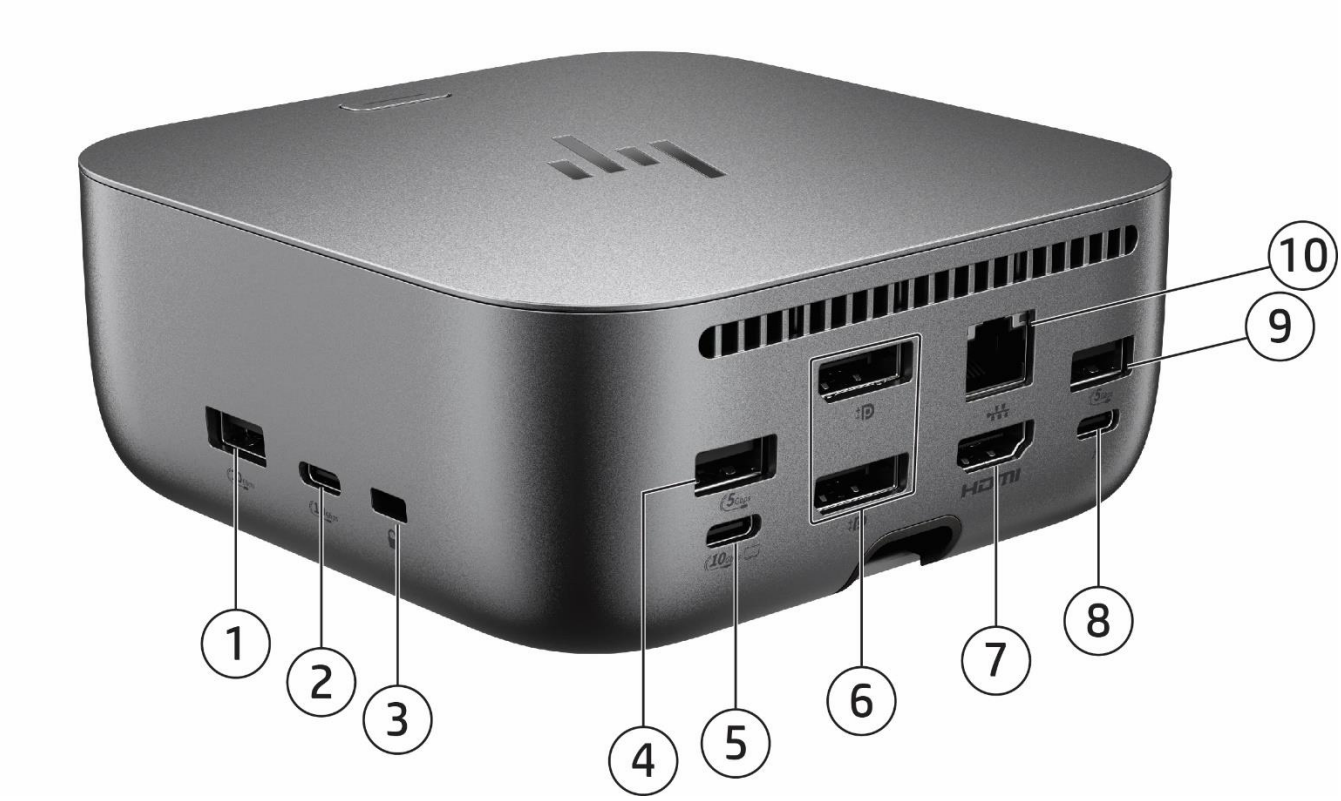


1. (1) USB Type-A 3.2 Gen 2 (10 Gbps) charging port
2. (1) USB Type-A 3.2 Gen 2 (10 Gbps) charging port
3. (1) Mechanical power button with RGB LED[1]
4. (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
5. (1) Thunderbolt 4 cable (40 Gbps) to connect to host system[2]

1. The dock power button may support non-HP notebooks that have implemented USB Power Delivery specification to support Extended Alert messages.
2. Up to 180W power delivery through the Thunderbolt 4 cable available on PC's that support PD 3.1.

Overview

HP Thunderbolt 4 Ultra 180W G6 Dock
HP Thunderbolt 4 Ultra 180W TAA G6 Dock



1. (1) USB Type-A 3.2 Gen 2 (10 Gbps) charging port
2. (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
3. (1) Nano security lock slot
4. (1) USB Type-A 3.2 Gen 1 (5 Gbps) charging port
5. (1) USB Type-C 3.2 Gen 2 DisplayPort Alt Mode
6. (2) DisplayPort 1.4
7. (1) HDMI 2.1 port
8. (1) Thunderbolt 4
9. (1) USB Type-A 3.2 Gen 1 (5 Gbps) charging port
10. (1) Ethernet port (2.5 Gbps)[1]

1. Requires infrastructure that supports 2.5GB Ethernet speeds.

Overview

HP Thunderbolt 4 Ultra 180W G6 Dock
HP Thunderbolt 4 Ultra 180W TAA G6 Dock

1. (1) Thunderbolt 4 cable connector
2. Bottom cover latch
3. (1) RGB LED bar

Components	
Part Number	HP Thunderbolt 4 Ultra 180W G6 Dock - 9X481UT HP Thunderbolt 4 Ultra 180W TAA G6 Dock - 9X4A1AA
Dimensions (HxWxD)	4.77 x 4.77 x 2 in (121.2 x 121.2 x 50.5 mm)
Weight	1.43-1.76 lb (0.65-0.8 kg)
Cable Type	Thunderbolt™ 4[1]
Cable Length	1 m (3.2 ft)
Security	HP Wolf Security[2] with HP Sure Start[3]
Supported Operating Systems[4]	Windows 10 and above ChromeOS macOS Linux ThinPro
Supported platforms[5]	Tested and supported on select HP commercial PCs. For HP notebook compatibility please visit - https://pcb.inc.hp.com/webapp/#!/us-en and search by notebook. Tested and supported on select 3rd party PCs. Contact your local sales representative to learn more.
Systems Management	System network manageability in any power state (HP with HP)
Top Components	Mechanical power button with RGB LED indicator to power or wake host system[6]
Front Components	(1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W) (1) RGB LED bar
Right Side Components	(1) USB Type-A 3.2 Gen 2 (10 Gbps) port with charging (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W) (1) Nano security lock slot
Left Side Components	(2) USB Type-A 3.2 Gen 2 (10 Gbps) port with charging
Back Components	(2) USB Type-A 3.2 Gen 1 (5 Gbps) ports with charging (1) USB Type-C 3.2 Gen 2 DisplayPort (2) DisplayPort 1.4 (1) HDMI 2.1 (1) Thunderbolt 4 (1) Ethernet port (2.5 Gbps) (1) Thunderbolt 4 cable (40 Gbps) to connect to host system
Dock LED[7]	Power button: RGB LED: White, Blue, Amber, Green, Red LED Bar: RGB LED: White, Blue, Amber, Green, Red
Network Manageability Features	HP CMSL Disconnected Firmware updates eTag PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States[8] MAC address pass-through (from the On, Off, Sleep or Hibernation States)[9] WLAN-LAN Switching Disable LAN

	Event messaging Intel(R) Wired vPro
Management Software[10]	Poly Lens[11] with automatic firmware updates
Software Included[10]	HP Quick Connect[12] myHP
Power to System	Up to 180W on HP and non-HP systems that support PD 3.1[13]
External Displays Supported	Up to 3 external displays and 1 PC display or Up to 4 external displays
Maximum Resolution Supported[14]	Up to 8K
Maximum Refresh Supported[14]	Up to 360Hz
Video Resolution Supported[14]	Non-Thunderbolt with Multi-Function PCs: (1) 4K UHD @120Hz* (2) QHD @120Hz* (3) FHD @120Hz* (1) FHD @360 Hz Non-Thunderbolt with High-Resolution PCs: (2) 4K UHD @120Hz* (3) QHD @120Hz* (2) FHD @360hz* (1) QHD @360hz* Thunderbolt with dual DisplayPort streams: (4) 4K UHD @60Hz* (2) 4K UHD @120Hz* (3) QHD @120Hz* (2) FHD @360hz* (1) QHD @360hz* (1) 8K @60Hz* Thunderbolt with single DisplayPort stream: (4) 4K UHD @60Hz* (2) 4K UHD @120Hz* (3) QHD @120Hz* (2) FHD @360hz* (1) QHD @360hz* (1) 8K @60Hz* ***NOTE:** Requires DisplayPort 1.4 support with Display Stream Compression
Certifications	Intel® Thunderbolt™ 4
Operating temperature (Celsius)	0°C to 35°C

Technical Specifications

Operating temperature (Fahrenheit)	32°F to 95°F
Non-operating temperature (Celsius)	-20°C to 60°C
Non-operating temperature (Fahrenheit)	-4°F to 140°F
Operating humidity	10% to 90%
Non-operating humidity	5-95%
Operating altitude	-15 m to 3,048 m
Non-operating altitude	-15 m to 12,192m
Security Slot Type	1x Nano security slot[15]
Warranty	3-0-0
What's in the Box	HP Thunderbolt 4 Ultra 180W G6 Dock / 180W TAA G6 Dock, 230W power adapter, power cord, product notice, warranty card.
Country of Origin	9X481UT: China, Thailand 9X4A1AA: Mexico

1. For full data and video capability, the PC must support either: DisplayPort alt mode, Thunderbolt 3 alt mode, or USB4 through its USB-C port. Charging and port replication are supported on notebooks that have implemented the USB-C Power Delivery specifications. HP Quick Connect, 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. Power button to turn off or to wake the system depends on implementation of the related and optional Power Delivery specification.
2. HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
3. Based on HP's internal analysis of docking stations that are Thunderbolt™ 4, have auto validating & self healing firmware, Meet NIST 800-173 requirements, the ability to disable the RJ-45 and a BIOS MAPT authorized list. HP Sure Start on HP Thunderbolt G6 dock supports firmware integrity verification and recovery during dock start-up and disconnect. It does not include real-time and runtime protections or Microsoft SCCM integration typically found on HP Sure Start in HP notebooks.
4. Operating systems supported: Windows 10 22H2 and up, Win 10 IoT Enterprise LTSC 2021, Windows 11 23H2 and up, ChromeOS M133 and up, Ubuntu Linux 22.04 LTS with 5.15 kernel, ThinPro OS 8.0 and MacOS Sonoma 14. Not all features work with all operating systems, ask your sales representative about compatibility with your PC. Linux, ChromeOS, MacOS, and ThinPro OS testing currently underway and expected to be completed after launch.
5. Our docks are tested and validated with most HP USB-C and Thunderbolt 4 systems as well as tested with select 3rd party systems like Dell, Lenovo, and Apple. Contact your local sales representative to learn more.
6. The dock power button may support non-HP notebooks that have implemented USB Power Delivery specification to support Extended Alert messages.
7. Please refer to the User Guide for LED light behaviors. The User Guide can be found on https://support.hp.com/.
8. Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
9. 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 Apple 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.
10. Feature(s) not available on TAA docks.
11. Poly Lens is a cloud-based device management solution that provides actionable insights and analytics around unified communications endpoints like Poly voice, video, headset devices, and select HP docking stations and can be sold as a stand-alone service. Internet access is required. Not available on TAA versions. Visit lens.poly.com to set-up an account.
12. HP Quick Connect must be enabled on the PC's BIOs and on the dock. HP Quick Connect is available on select HP G11 Intel and G12 Intel and AMD PCs. Bluetooth required. Not available on TAA versions. Contact your local sales representative to learn more.

13. Up to 180W power delivery through the Thunderbolt 4 cable available on PC's that support PD 3.1.
14. Video resolution and support is dependent on the maximum capability of the notebook.
15. Compatible with the following HP locks: 63B28AA HP Nano Combination Cable Lock, 63B31AA HP Essential Nano Combination Cable Lock.

HP Thunderbolt™ G6 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:		*Single display*: (1) 8k @30Hz running multiple tiles *Dual displays*: (2) 4K UHD @60Hz *Triple displays*: (3) QHD @30Hz *Quad displays*: (3) QHD @30Hz + (1) FHD @30Hz
DP 1.2 USB-C host:	***Multi-function mode***	*Single display*: (1) 4K DCI @30Hz *Dual displays*: (1) 4K DCI @30Hz + (1) FHD @30Hz *Triple displays*: (3) FHD @30Hz
	High resolution mode	*Single display*: (1) 4K DCI @60Hz *Dual displays*: (2) 4K DCI @30Hz *Triple displays*: (3) QHD @30Hz
Host Specification		
DP 1.3/1.4 Thunderbolt host:		*Single display*: (1) 8k @30Hz running multiple tiles *Dual displays*: (2) 4K UHD @60Hz *Triple displays*: (2) 5K single cable@30Hz + (1) QHD @30Hz Quad displays: (4) 4k UHD @30Hz
DP 1.3/1.4 USB-C host:	***Multi-function mode***	*Single display*: (1) 5k Ultra Wide @60Hz or (1) 4K DCI @60Hz *Dual displays*: (2) 4k UHD@30Hz *Triple displays*: (3) QHD @30Hz
	High resolution mode	*Single display*: (1) 5k Ultra Wide @60Hz or (1) 8k @30Hz running multiple tiles *Dual displays*: (2) 4K UHD @60Hz *Triple displays*: (2) 5K single cable@30Hz + (1) QHD @30Hz
Host Specification		
DP 1.4 with DSC Thunderbolt host:		*Single display*: up to (1) 8K Thunderbolt with multiple tiles @60Hz *Dual displays*: (2) 4K DCI @60Hz*Triple displays*: (3) 4K@60Hz *Quad displays*: (4) 4K DCI @60Hz
DP 1.4 with DSC USB-C host:	***Multi-function mode***	Single display: (1) 8k @30Hz running multiple tiles Dual displays: (2) 4K UHD @60Hz *Triple displays*: (3) QHD @30Hz *Quad displays*: (3) QHD @30Hz + (1) FHD @30Hz
	High resolution mode	*Single display*: (1) 4K DCI @30Hz *Dual displays*: (1) 4K DCI @30Hz + (1) FHD @30Hz *Triple displays*: (3) FHD @60Hz

Summary of changes

Date of change	Version		Description of change
	V1 to V2		
	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		
	V15 to V16		

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