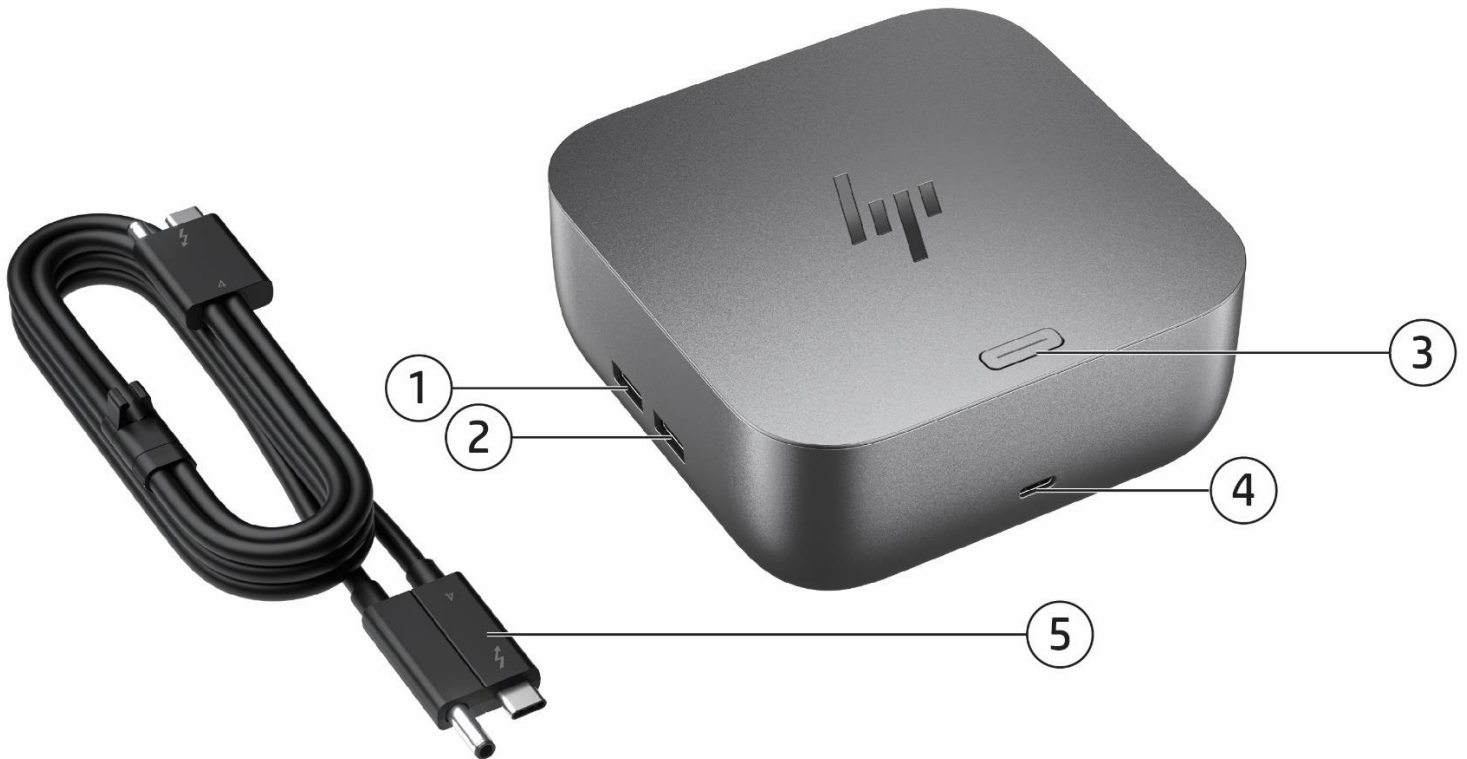


Overview

HP Thunderbolt 4 Ultra 280W TAA G6 Dock (with Thunderbolt 4 and a 4.5mm power barrel 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

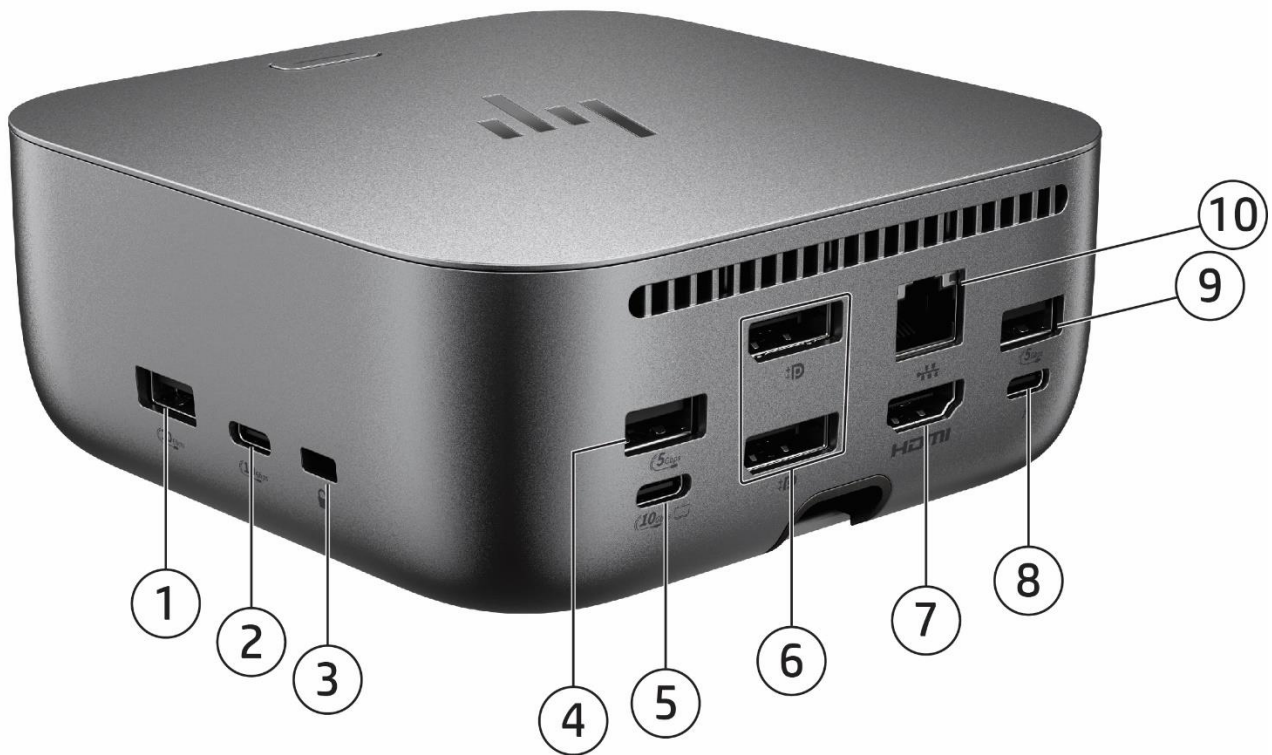
3. (1) Mechanical power button with RGB LED¹
4. (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
5. (1) Thunderbolt 4 cable (40 Gbps) and a 4.5mm power barrel to connect to host system²

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 280W TAA G6 Dock



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

1. Requires infrastructure that supports 2.5GB Ethernet speeds.

Overview

HP Thunderbolt 4 Ultra 280W TAA G6 Dock



1. (1) Combination cable connector
2. Bottom cover latch

3. (1) RGB LED bar

Technical Specifications

Components

| | |
|--|---|
| Part Number | HP Thunderbolt 4 Ultra 280W TAA G6 Dock - AW5N3AA |
| 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 and 4.5 mm power barrel |
| Cable Length | 1 m (3.2 ft) |
| Security | HP Wolf Security ² with HP Sure Start ³ |
| Supported Operating Systems⁴ | Windows 10 and above ChromeOS macOS Linux ThinPro |
| Supported Platforms⁵ | 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 3 rd 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) and 4.5 mm power barrel to connect to host system |
| Dock LED⁷ | Power button: RGB LED: White, Blue, Amber, Green, Red LED Bar: RGB LED: White, Blue, Amber, Green, Red |
| Network Manageability | 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 |

Technical Specifications

| | |
|--|--|
| | Intel(R) Wired vPro |
| Networking/Communications | N/A |
| Management Software¹⁰ | Poly Lens (Desktop) |
| Software Included | myHP |
| Power to System | Up to 280W: Up to 280W through 4.5mm power barrel ¹¹ or Up to 180W through Thunderbolt 4 cable on HP and non-HP systems that support PD 3.1 ¹¹ |
| External Displays Supported | Up to 3 external displays and 1 PC display or Up to 4 external displays |
| Maximum Resolution Supported¹² | Up to 8K |
| Maximum Refresh Supported¹² | Up to 360Hz |
| Video Resolution Supported¹² | 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

Technical Specifications

| | |
|---|---|
| Certifications | Intel® Thunderbolt™ 4 |
| Operating temperature (Celsius) | 0°C to 35°C |
| 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 ¹³ |
| Warranty | 3-0-0 |
| What's in the Box | HP Thunderbolt 4 Ultra 280W TAA G6 Dock, 330W power adapter, power cord, product notice, warranty card. |
| Country of Origin | AW5N3AA: Mexico |

- 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.
- 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.
- 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.
- 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.
- 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.
- The dock power button may support non-HP notebooks that have implemented USB Power Delivery specification to support Extended Alert messages.
- Please refer to the User Guide for LED light behaviors. The User Guide can be found on <https://support.hp.com/>
- Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
- 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.
- Certain feature(s) not available on TAA docks.
- Up to 180W power delivery through the Thunderbolt 4 cable available on PC's that support PD 3.1.
- Video resolution and support is dependent on the maximum capability of the notebook.
- Compatible with the following HP locks: 63B28AA HP Nano Combination Cable Lock, 63B31AA HP Essential Nano Combination Cable Lock.

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

Summary of changes

| Date of change | Version | | Description of change |
|----------------|------------|-------------|--|
| April 9, 2025 | V1 to V2 | Corrections | Management Software row added and footnote #10 corrected |
| | 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 | | |

© Copyright 2025 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.