

### Overview

#### HP Thunderbolt 4 100W TAA G6 Dock (with Thunderbolt 4 cable shown)



1. (1) Mechanical power button with RGB LED<sup>1</sup>
2. (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
3. (1) Thunderbolt 4 cable (40 Gbps) to connect to host system

1. The dock power button may support non-HP notebooks that have implemented USB Power Delivery specification to support Extended Alert messages.

### Overview

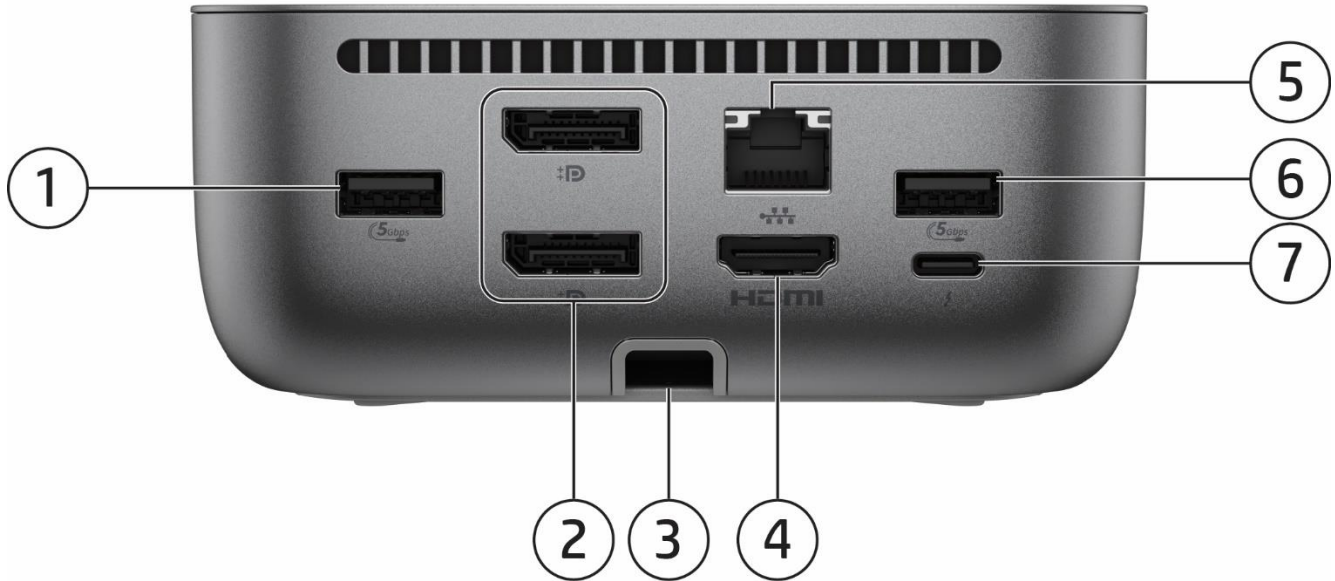
#### HP Thunderbolt 4 100W TAA G6 Dock



1. (1) Nano security lock slot
2. (1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W)
3. (1) USB Type-A 3.2 Gen 2 (10 Gbps) charging port

### Overview

#### HP Thunderbolt 4 100W TAA G6 Dock



1. (1) USB Type-A 3.2 Gen 1 (5 Gbps) charging port
2. (2) DisplayPort 1.4 port
3. Thunderbolt 4 cable connector
4. (1) HDMI 2.1 port

5. (1) Ethernet port (2.5 Gbps)<sup>1</sup>
6. (1) USB Type-A 3.2 Gen 1 (5 Gbps) charging port
7. (1) Thunderbolt 4

[1. Requires infrastructure that supports 2.5GB Ethernet speeds.](#)

### Overview

#### HP Thunderbolt 4 100W TAA G6 Dock



1. (1) Thunderbolt 4 cable connector
2. Bottom cover latch

3. (1) RGB LED bar

### Technical Specifications

Components	
<b>Part Number</b>	HP Thunderbolt 4 100W TAA G6 Dock - 9X478AA
<b>Dimensions (HxWxD)</b>	4.77 x 4.77 x 2 in (121.2 x 121.2 x 50.5 mm)
<b>Weight</b>	1.43-1.76 lb (0.65-0.8 kg)
<b>Cable Type</b>	Thunderbolt™ 4 <sup>1</sup>
<b>Cable Length</b>	1 m (3.2 ft)
<b>Security</b>	HP Wolf Security <sup>2</sup> with HP Sure Start <sup>3</sup>
<b>Supported Operating Systems<sup>4</sup></b>	Windows 10 and above ChromeOS macOS Linux ThinPro
<b>Supported Platforms<sup>5</sup></b>	Tested and supported on select HP commercial PCs. For HP notebook compatibility please visit - <a href="https://pcb.inc.hp.com/webapp/#!/us-en">https://pcb.inc.hp.com/webapp/#!/us-en</a> and search by notebook. Tested and supported on select 3 <sup>rd</sup> party PCs. Contact your local sales representative to learn more.
<b>Systems Management</b>	System network manageability in any power state (HP with HP)
<b>Top Components</b>	Mechanical power button with RGB LED indicator to power or wake host system <sup>6</sup>
<b>Front Components</b>	(1) USB Type-C 3.2 Gen 2 (10 Gbps) port with data and power out (15W) (1) RGB LED bar
<b>Right Side Components</b>	(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
<b>Back Components</b>	(2) USB Type-A 3.2 Gen 1 (5 Gbps) ports with charging (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
<b>Dock LED<sup>7</sup></b>	Power button: RGB LED: White, Blue, Amber, Green, Red LED Bar: RGB LED: White, Blue, Amber, Green, Red
<b>Network Manageability</b>	HP CMSL Disconnected Firmware updates eTag PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States) <sup>8</sup> MAC address pass-through (from the On, Off, Sleep or Hibernation States) <sup>9</sup> WLAN-LAN Switching Disable LAN Event messaging
<b>Networking/Communications</b>	N/A

### Technical Specifications

<b>Management Software<sup>10</sup></b>	Poly Lens (Desktop)
<b>Software Included</b>	myHP
<b>Power to System</b>	Up to 100W on HP and non-HP systems
<b>External Displays Supported</b>	Up to 3 external displays and 1 PC display or Up to 4 external displays
<b>Maximum Resolution Supported<sup>11</sup></b>	Up to 8K
<b>Maximum Refresh Supported<sup>11</sup></b>	Up to 360Hz
<b>Video Resolution Supported<sup>11</sup></b>	<p>Non-Thunderbolt with Multi-Function PCs:</p> <ul style="list-style-type: none"><li>(1) 4K UHD @120Hz*</li><li>(2) QHD @120Hz*</li><li>(3) FHD @120Hz*</li><li>(1) FHD @360 Hz</li></ul> <p>Non-Thunderbolt with High-Resolution PCs:</p> <ul style="list-style-type: none"><li>(2) 4K UHD @120Hz*</li><li>(3) QHD @120Hz*</li><li>(2) FHD @360hz*</li><li>(1) QHD @360hz*</li></ul> <p>Thunderbolt with dual DisplayPort streams:</p> <ul style="list-style-type: none"><li>(4) 4K UHD @60Hz*</li><li>(2) 4K UHD @120Hz*</li><li>(3) QHD @120Hz*</li><li>(2) FHD @360hz*</li><li>(1) QHD @360hz*</li><li>(1) 8K @60Hz*</li></ul> <p>Thunderbolt with single DisplayPort stream:</p> <ul style="list-style-type: none"><li>(4) 4K UHD @60Hz*</li><li>(2) 4K UHD @120Hz*</li><li>(3) QHD @120Hz*</li><li>(2) FHD @360hz*</li><li>(1) QHD @360hz*</li><li>(1) 8K @60Hz*</li></ul> <p><b>*NOTE:</b> Requires DisplayPort 1.4 support with Display Stream Compression</p>
<b>Certifications</b>	Intel® Thunderbolt™ 4
<b>Operating Temperature (Celsius)</b>	0°C to 35°C
<b>Operating Temperature (Fahrenheit)</b>	32°F to 95°F
<b>Non-operating Temperature (Celsius)</b>	-20°C to 60°C

### Technical Specifications

<b>Non-operating Temperature (Fahrenheit)</b>	-4°F to 140°F
<b>Operating Humidity</b>	10% to 90%
<b>Non-operating Humidity</b>	5-95%
<b>Operating Altitude</b>	-15 m to 3,048 m
<b>Non-operating Altitude</b>	-15 m to 12,192m
<b>Security Slot Type</b>	1x Nano security slot <sup>12</sup>
<b>Warranty</b>	3-0-0
<b>What's in the Box</b>	HP Thunderbolt 4 100W TAA G6 Dock, 120W power adapter, product notice, warranty card.
<b>Country of Origin</b>	9X478AA: 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. Certain feature(s) not available on TAA docks.
11. Video resolution and support is dependent on the maximum capability of the notebook.
12. Compatible with the following HP locks: 63B28AA HP Nano Combination Cable Lock, 63B31AA HP Essential Nano Combination Cable Lock.

### Technical Specifications

<b>HP Thunderbolt™ G6 Dock video resolution specifications</b>		
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)		
<b>Host Specification</b>		
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:	<b>Multi-function mode</b>	<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
	<b>High resolution mode</b>	<i>Single display:</i> (1) 4K DCI @60Hz <i>Dual displays:</i> (2) 4K DCI @30Hz <i>Triple displays:</i> (3) QHD @30Hz
<b>Host Specification</b>		
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:	<b>Multi-function mode</b>	<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
	<b>High resolution mode</b>	<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
<b>Host Specification</b>		
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:	<b>Multi-function mode</b>	<i>Single display:</i> (1) 4K DCI @60Hz <i>Dual displays:</i> (2) 4K DCI @60 Hz <i>Triple displays:</i> (3) 4K DCI @30Hz
	<b>High resolution mode</b>	<i>Single display:</i> up to (1) 8K dual @60Hz <i>Dual displays:</i> (2) 4K DCI @60Hz <i>Triple displays:</i> (3) 4K DCI @60Hz

### Summary of changes

Date of change	Version		Description of change
April 9, 2025	V1 to V2	Correction	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		

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