HP Thunderbolt 4 Ultra 280W TAA G6 Dock (AW5N3AA)



Overview

Supercharge your workflow

Work without interruptions and maximize productivity with ultimate power delivery from the HP Thunderbolt 4 Ultra 280W G6 Dock. Effortlessly manage, connect and power the devices you love with state-of-the-art security and connectivity.

Powerful connections in an instant

Find true momentum with uninterrupted connections to your devices. Stay in your flow all day with up to 280W[2] of power delivery and 40 Gbps of data transfer speeds via Thunderbolt™ 4 technology[1] and all the ports you need to connect your setup.

Everything, secured

Prevent potential threats with HP Wolf Security[3], interlacing HP Sure Start[4] to provide complete end-to-end security. Work and rest easy knowing your dock is protected.

Built to last

Thoughtfully designed with longevity in mind. Durably crafted[5] with replaceable parts to maximize your fleet's lifecycle. Built with a power consumption module to monitor your energy consumption. Consciously wrapped in plastic-free packaging[6].

Features

More Ports. More Flexibility.

More ports means more capabilities. With a TBT4™, USB-C® DP Alt. Mode, HDMI, RJ-45, two USB-C®, two DisplayPorts™, and five USB-A ports, you can connect all your devices.[7]

Intuitive, compact design

Easily connect to your ports and declutter your desk with rear-facing USB-C® cable connectivity, all in a compact design.

A full suite of manageability tools

Empower your IT to manage and track your docks by product name, serial number, and MAC Address from anywhere with the time-saving, easy-to-use Electronic Tag (eTag) and HP CMSL management tools.[8]

Wired Intel® vPro®

With Intel® vPro® Active Management Technology, authorized administrators can remotely access notebooks using wired connections, even if turned off, to make updates.

3-year limited warranty

Get added peace of mind with a 3-year limited warranty that includes technical support, diagnostic services, and hardware replacement.

Compatible with myHP

Enable hardware and software innovations from HP with the myHP application. This single dashboard houses access to settings for your docking station and other devices.[9]

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[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 when connecting an on or off notebook to the 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] Up to 280W power delivery through the Thunderbolt™ 4 cable available on PC's that support PD 3.1.

[3] 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.

[4] 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.

[5] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Damage under the HP Total Test Process test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[6] HP packaging for this product is reported by suppliers as plastic free. Packaging refers to the primary product box and all materials inside, excluding any additional boxes provided by third parties, bulk packaging, and packaging for accessories and spare parts.

[7] Comes with power cord.

[8] Windows Management Instrumentation installation required. Requires Windows 10 or higher.

[9] Requires Windows 10 or higher.

Specifications

Dimensions (W x D x H)	12.1 x 12.1 x 4.95 cm
Dimensions (W x D x H)	4.76 x 4.76 x 1.95 in
Weight	790 g
Weight	1.7 lb
Ports	1 USB Type-C® 10Gbps signaling rate (up to 15 W USB Power Delivery)
Ports	1 USB Type-A 10Gbps signaling rate (charging); 1 nano security lock slot; 1 USB Type-C® 10Gbps signaling rate (up to 15 W USB Power Delivery)
Ports	2 USB Type-A 10Gbps signaling rate (charging)
Ports	1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.1; 2 DisplayPort™ 1.4; 1 RJ-45 (2.5 GbE)
Package dimensions (W x D x H)	39.6 x 17.1 x 9.5 cm
Package weight	1.14 kg
Power	330 W external power adapter
Management features	HP CMSL; Disconnected Firmware updates; eTag; PXE Boot; Wake on LAN (from the Off, Sleep or Hibernation states); MAC address pass-through (from the On, Off, Sleep or Hibernation states); LAN/WLAN switching; Disable LAN; Event messaging; Intel® vPro® Technology (wired)[8,9]
Sustainable impact specifications	35% post-consumer recycled plastic
Security management	HP Sure Start; System network manageability in any power state (HP with HP)[2]
Minimum System Requirements	USB Type-C® (USB Power Delivery, Alt Mode DisplayPort™); Thunderbolt™ 4 port
UPC number	198701753261
Manufacturer Warranty	HP three-year limited warranty
What's in the box	HP Thunderbolt 4 Ultra 280W G6 Dock; 330 W power adapter; Thunderbolt™ 4 and 4.5 mm power barrel combination cable (1 m); Power cord; Product notice; Warranty card

Additional specifications

Cable length	1 m
Cable length (imperial)	3.2 ft
Cable type	1 Thunderbolt™ 4 cable and a 4.5 mm power barrel to connect to host system
Cartons per layer	28
Cartons per pallet	5 (air); 10 (ocean)
Certified collaboration software	Intel® Thunderbolt™ 4
Compatibility	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. *(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.)*
Compatible Operating Systems	Windows 10; Windows 11; macOS; Linux; ThinPro; ChromeOS
Connection type	Thunderbolt™ 4 and 4.5 mm power barrel[2]
Current, maximum	6.15 A
Datasheet photo 1	AHID/27731be1941673fca51988cd70887d3a639b0255
Datasheet photo 2	AHID/69acafd1acfd0150439ea3d7babc915e8ad0406c
Datasheet photo 3	AHID/8282043d7629510ec00874c92f7c9aff88135ad5
Datasheet photo 4	AHID/6731226ec0b482fbac1c7b8fc75716ab2d4d2ad2
Display support	Up to 3 external displays and 1 PC display or up to 4 external displays
Drivers included	Intel® NIC driver; Realtek NIC driver (ARM); Realtek NIC driver (Windows)
I/O Port location	Rear
I/O Port location	Front
I/O Port location	Left side
I/O Port location	Right side
LED	Front LED bar: RGB LED (white, blue, amber, green, red); Power button: RGB LED (white, blue, amber, green, red)
Master carton dimension (imperial)	15.59 x 6.73 x 3.74 in
Master carton dimension (metric)	39.6 x 17.1 x 9.5 cm
Master carton weight (imperial)	0.518 in
Master carton weight (metric)	235 g
Multiple order quantity	1
Non-Operating Humidity Range	5 to 95% non-condensing

Non-operating temperature - Celsius	-20 to 60°C
Non-operating temperature - fahrenheit	-4 to 140°F
Operating altitude	-49.2 to 10,000 ft
Operating altitude	-15 to 3,048 m
Operating humidity range	10 to 90% non-condensing
Operating temperature range	32 to 95°F
Operating temperature range	0 to 35°C
Operating voltage	19.5 V
Package dimensions (W x D x H)	15.59 x 6.73 x 3.74 in
Package weight	2.5 lb
Pallet (layers)	6 (air); 14 (ocean)
Pallet dimensions	47.24 x 39.37 x 5.51 in
Pallet dimensions (W x D x H)	120 x 100 x 14 cm
Physical security	1 nano security lock slot[11]
Power button type	Mechanical power button with RGB LED indicator to power or wake host system[6]
Power delivery (PD) profiles	12V/5A; 15V/5A; 20V/5A; 5V/3A; 9V/3A
Power to host	Up to 280 W via 4.5 mm power barrel or up to 180 W via Thunderbolt™ 4 cable (both HP and non-HP host devices that support Power Delivery 3.1) [12]
Product type	Port replicators
Products per pallet	168 (air); 392 (ocean)
Products per pallet layer	28
Refresh rate (maximum)	360 Hz
Resolution (maximum)	Up to 8K
Resolutions supported	Non-Thunderbolt™ with multi-function PCs: 4 x QHD (2560 x 1440 @ 60 Hz)[1], 3 x FHD (1920 x 1080 @ 60 Hz), 2 x QHD (2560 x 1440 @ 60 Hz), 1 x 5K (5120 × 2880 @ 60 Hz)[1], 1 x FHD (1920 x 1080 @ 360 Hz); Non-Thunderbolt™ with high-resolution PCs: 4 x 4K (3840 x 2160 @ 60 Hz)[1], 3 x QHD (2560 x 1440 @ 60 Hz), 2 x 4K (3840 x 2160 @ 60 Hz), 1 x 5K (5120 × 2880 @ 60 Hz), 2 x FHD (1920 x 1080 @ 360 Hz)[1]; 1 x QHD (2560 x 1440 @ 360 Hz)[1]; Thunderbolt™ with dual DisplayPort™ streams: 4 x 4K (3840 x 2160 @ 60 Hz)[1], 3 x QHD (2560 x 1440 @ 60 Hz), 2 x 4K (3840 x 2160 @ 60 Hz), 1 x 5K (5120 × 2880 @ 60 Hz); Thunderbolt™ with single DisplayPort™ stream: 4 x 4K (3840 x 2160 @ 60 Hz)[1], 3 x QHD (2560 x 1440 @ 60 Hz), 2 x 4K (3840 x 2160 @ 60 Hz), 1 x 5K (5120 × 2880 @ 60 Hz)[10]
Security management	System network manageability in any power state (HP with HP)
Security management	HP Wolf Security for Business
Security management	HP Sure Start

Security management footnote number	[3]
Software included footnote number	[4]
Storage altitude	-15 to 12,192 m
Storage altitude	-49.2 to 40,000 ft
UNSPSC code	43211602

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[2] For full data and video capability, the PC must support either: DisplayPort™ alt mode, Thunderbolt™ 3 alt mode, or USB4 through its USB Type-C® port. Charging and port replication are supported on notebooks that have implemented the USB Type-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 when connecting an on or off notebook to the 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.

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

[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 on 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 when connecting an on or off notebook to the dock.

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

[11] Compatible with the following HP locks: 63B28AA - HP Nano Combination Cable Lock, 63B31AA - HP Essential Nano Combination Cable Lock.

[12] Up to 280 W power delivery through the Thunderbolt 4 cable available on PC's that support PD 3.1.

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