HP Thunderbolt 4 100W G6 Dock

One Cable. Instant Speed. 100W Power.

Designed for modern multitasking at rapid speed with an elegant docking station that brings power, connectivity, and display expansion together. Charge your laptop, connect accessories, and extend to up to 4 displays—all from a sleek, compact dock that optimizes your space and simplifies your setup.



*Product image may differ from actual product

Verified compatibility

Take the guesswork out of connectivity. This docking station has been diligently tested to ensure dependable compatibility with laptops[1] designed to Thunderbolt™ and USB-C™ standards[2]. It's built to connect easily, reduce frustration, and deliver a smoother experience across a wide range of devices.

Unify connections with a simple setup

One simple Thunderbolt™ connection to your laptop can unlock your entire setup, enabling peripheral access, device charging, wired networking, and additional connectivity from one docking device. Engineered for compatibility across modern systems to supports consistent integration and streamlined deployment, so you can switch environments with diverse setups.

Small footprint, smart design

Smooth design meets everyday simplicity with intuitive LED lighting and on-screen notifications that keep you informed at a glance. Rear-facing port options help clear the clutter, while the compact, streamlined build makes it easy to create a cleaner, calmer workspace.

Sustainability in action

Designed with purpose

Thoughtfully designed with longevity in mind. Durably crafted [3] 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 [4].

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Featuring

More Ports. More Flexibility.
More ports means more capabilities. With a TBT4, HDMI, RJ-45, two USB-C, two DisplayPorts, and three USB-A ports, you can connect all your devices[5]

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.[6]

3-year limited warranty
Get added peace of mind with a 3-year limited warranty that includes technical support, diagnostic services, and hardware replacement.[7]

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Specifications







Product number	D7NL4AA
UPC number	(ABB) 821844328330; (ABU) 821844328361
Port and connectors	Front: 1 USB Type-C® 10Gbps signaling rate (up to 15 W USB Power Delivery) Right side: 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) Rear: 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.1; 2 DisplayPort™ 1.4; 1 RJ-45 (2.5 GbE)
Physical security	1 nano security lock slot[8]
Connection type	Thunderbolt™ 4[2]
Security management	HP Sure Start[3];
Certified collaboration software	Intel® Thunderbolt™ 4
Power supply	120 W external power adapter
Power to system	Up to 100 W via Thunderbolt™ 4 (both HP and non-HP host devices)
Power delivery (PD) profiles	12V/5A; 15V/5A; 20V/5A; 5V/3A; 9V/3A
Current (max)	6.15 A
Operating voltage	19.5 V
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)
Refresh rate (maximum)	360 Hz
Cable length	1 m
External monitor support	Up to 3 external displays and 1 PC display or up to 4 external displays
Power button type	Mechanical power button with RGB LED indicator to power or wake host system[5]
LED	Front LED bar: RGB LED (white, blue, amber, green, red); Power button: RGB LED (white, blue, amber, green, red)[6]
Cable type	1 back Thunderbolt™ 4 cable to connect to host system (up to 100 W USB Power Delivery)
Software included	myHP;
Drivers included	Intel® NIC driver; Realtek NIC driver (ARM); Realtek NIC driver (Windows)
Supported operating systems	Windows 11; Windows 10; macOS; Linux; ThinPro; ChromeOS
Warranty	HP three-year limited warranty
What's in the box	HP Thunderbolt 4 100W G6 Dock; 120 W power adapter; Thunderbolt™ 4 cable (1 m); Power cord; Product notice; Warranty card
Country of origin	Made in China, Thailand or Mexico
Dimensions (W x D x H)	12.1 x 12.1 x 5.1 cm
Weight	740 g
Package dimensions (W x D x H)	39.6 x 17.1 x 9.5 cm
Package weight	1.08 kg
Master carton quantity	1
Carton per layer	28
Pallet (layers)	6 (air); 14 (ocean)
Carton per pallet	5 (air); 10 (ocean)
Products per layer	28
Products per pallet	168 (air); 392 (ocean)
Pallet dimensions (W x D x H)	120 x 100 x 14 cm
Sustainable impact specifications	At least 35% post-consumer recycled plastic [9]
Operating temperature range	
Non-operating temperature	-20 to 60°C
Operating altitude	-15 to 3,048 m;
Non-operating altitude	-15 to 12,192 m;
Operating humidity range	10 to 90% non-condensing
Non-operating humidity range	5 to 95% non-condensing

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Footnotes

Messaging Footnotes

[1] For USB-C® functionality, host PC must support the DisplayPort™ Alt mode protocol through its USB-C® port. Thunderbolt™-enabled notebooks will function at USB-C® speeds. Charging and port replication is supported on notebooks that have implemented USB-C® industry specifications. Power button to turn on or wake the system, on HP notebooks. HP does not provide Ethernet and audio drivers on Mac PCs.
[2] Based on HP internal testing on select non-HP notebook models compatible with USB-C® industry standards. Certain Alt mode features are not supported, such as power button. Visit the HP Support page to determine your HP notebook's wattage and port specifications. Visit the support page of your non-HP notebook to determine its wattage and port specifications.
[3] 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.
[4] 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.
[5] Comes with power cord.
[6] Requires Windows 10 or higher.
[7] HP includes a three-year limited warranty with online support available 24x7. Consult the HP Customer Support Center for details, or go to www.hp.com/go/orderdocuments.

Technical Specifications Footnotes

[1] Requires DisplayPort™ 1.4 support with Display Stream Compression.
[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 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.
[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] The dock power button may support non-HP notebooks that have implemented USB Power Delivery specification to support Extended Alert messages.
[6] Please refer to the User Guide for LED light behaviors. The User Guide can be found on https://support.hp.com/.
[7] Video resolution and support is dependent on the maximum capability of the notebook.
[8] Compatible with the following HP locks: 63B28AA - HP Nano Combination Cable Lock, 63B31AA - HP Essential Nano Combination Cable Lock.
[9] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
[16] The European Union Data Act is a compliance regulation concerning connected devices placed on the European Union market. Customers who own HP devices sold in this market can request the data from their devices. For more information, see https://support.hp.com/us-en/document/ish_12884929-12885022-16 or visit https://compliance-euda.hp.com/.

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