Data sheet

HP Thunderbolt Dock G2



Turn heads and change minds with a stylish, modern expansion solution

Reinvent docking and boost productivity with the world's most versatile Thunderbolt™ dock[1] the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability[2], it delivers USB-C™[3] device connectivity and optional integrated audio.[4]

Command your workspace from just one USB-C™ connection
Connect a single USB-C™ cable to your notebook[3] to access a wired network, data, video, and charging[5] with a dock that supports both HP and non-HP Thunderbolt™ and USB-C™ notebooks.[3]

Reset your perception
Reclaim your work area with this space-saving centerpiece that helps create a clean desk. Its elegant, black, rounded design with smooth accents changes everything you thought you knew about docks.

Manage your enterprise fleet like a boss
Help IT easily secure and remotely manage[6] a wide range of HP notebooks and the dock with advanced network manageability features[2] built into the dock, including WoL and MAC Address Pass Through in all power states and PXE Boot.

Maximize your multi-tasking
See every color and detail of your projects with a superfast connection to dual external 4K displays[6] as soon as you plug your notebook into the dock.

Lock it down
Secure the base dock to a desk, table or your notebook through the lock slot with an optional HP lock.[8]

1. Based on Thunderbolt™ docks that support USB-C™ charging, video, and the ability to deliver power to notebooks that require up to 200W power as of January 17th, 2018.
2. Advanced manageability features such as WoL and MAC Address Pass-Through in all power states supported only on HP Pro x2 612 G2, HP EliteBook 1040 G4, HP EliteBook x360 1020, 1030 G2, 800 G5, 700 G5, 600 G4, 400 G5, and G4 HP Mobile Workstations as of January 17th, 2018.
3. Notebooks must be able to support USB-C™ power, video, USB-C™, and Thunderbolt™ industry standards.
4. HP Thunderbolt Dock Audio Module sold separately and required for audio.
5. USB-C™ notebook charging up to 100 watts supported through single USB-C™ cable. Combo cable, included on select models or sold separately, required to support both notebooks up to 100W and mobile workstations up to 200 watts.
6. Internet access required and sold separately.
7. Displays sold separately.
8. Lock sold separately.

Specifications



HP Thunderbolt Dock G2

Part number	HP Thunderbolt Dock 120W G2 2UK37AA HP Thunderbolt Dock 230W G2 2UK38AA (not available in the US) HP Thunderbolt Dock G2 w/ Combo Cable 3TR87AA
Dimensions (H x W x D)	3.9 x 3.9 x 2.7 in (98 x 98 x 69 mm)
Weight	1.76 lbs (0.8 kg)
Top components	LED and power button to power or wake host system[1]
Front components	One USB-C™ port with data and power out (15W) One USB-C™ cable to connect to host system (0.7 meter cable length)
Side components	One powered USB 3.0 port One combo audio jack One Kensington lock slot
Back components	One Thunderbolt™ port One USB-C™ DisplayPort™, data and power out port (15W) Two DisplayPort™ ports One VGA port Two USB 3.0 ports One RJ45 port One AC adapter
Network manageability features	PXE Boot Wake on LAN (from the Off, Sleep or Hibernation States[2]) MAC Address Pass Through (from the On, Off, Sleep or Hibernation States[3]) WLAN-LAN Switching[4]
External monitor support	Up to 4[5]
Power delivery (PD) profiles	PD 3.0: 5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A
Power to system	Up to 100W via USB-C™. For SKU 2UK37AA: Separate AC power needed for HP ZBooks that require more than 100W power delivered via USB-C alt mode. Power over AC pass through cable via barrel connection provides up to 200W using the Thunderbolt G3 SKU that offers the 230W AC power adapter. SKU 3TR87AA
Operating voltage and current	19.7 V dc @ 6.1 A – 120W 19.7 V dc @ 11.8 A – 230W
Temperature (operating)	0° C to 35° C (32° F to 95° F)
Relative humidity noncondensing (operating)	10 % to 90 %

1. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.
2. Your computer might support Wake on LAN from the Off, Sleep or Hibernate States, or only when the computer is On or in Sleep.
3. 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.
4. WLAN – LAN switching is supported only on select computers running Windows 10 operating system.
5. The HP Thunderbolt™ Dock G2 is designed to USB-C™/Thunderbolt™ Industry specs and will support charging and port replication for notebooks that have implemented USB-C™ and Thunderbolt™ industry specifications.
Thunderbolt™ host systems require Thunderbolt™ software (minimum SW17.x).
Ethernet and audio drivers need to be installed separately on non-HP Windows systems for headset auto switching functionality. Drivers available on HP website.
For MAC 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.

Specifications

HP Thunderbolt Dock G2 Video resolution specifications

HP Thunderbolt Dock G2 video resolution specifications when the dock is connected to a Thunderbolt™ system:

Host specification	# of displays	Resolution	Supported configuration
DP 1.2 Thunderbolt™ host:			
HP Elite X2 1012 G1 HP EliteBook Folio G1	1	(1) 4096x2160 @ 60Hz	(1) DP or (1) TB or (1) USB-C™ Alt Mode
HP EliteBook X360 1020 & 1030 G2 HP EliteBook 1040 G4	2	(2) 4096 x 2160 @ 60Hz	(1) DP + 1 TB port or (1) USB-C™ Alt Mode port + 1 TB port
HP EliteBook 800 G5 ZBook 14u/15u G5	3	(1) 4096 x 2160 @ 60Hz + (2) 2560 x 1440 @ 60Hz	(1) 4096 x 2160 @ 60Hz from TB port (2) 2560x1440 @ 60Hz from DP ports or DP + USB-C™ Alt Mode
ZBooks 17, 15, Studio G3, G4	4	(1) 4096 x 2160 @ 60Hz + (2) 2560 x 1440 @ 60Hz+ (1) 1920 x 1080 @ 60Hz	(1) 4096 x 2160 @ 60Hz from TB port (2) 2560x1440 @ 60Hz from DP ports or DP + USB-C™ Alt Mode (1) 1920 x 1080 @ 60Hz from DP or USB-C™ Alt Mode

Host specification	# of displays	Resolution	Supported configuration
DP 1.3 Thunderbolt™ host:			
	1	(1) 5120 × 2880 @ 60Hz	(1) DP or (1) TB or (1) USB-C™ Alt Mode
	2	(2) 4096 x 2160 @ 60Hz	(1) DP + 1 TB port or (1) USB-C™ Alt Mode + 1 TB port
	2	(2) 3840 x 2160 @ 60Hz +	(2) DP ports or (1) DP + 1 USB-C™ Alt Mode port or (1) DP + 1 TB port or (1) TB + 1 USB-C™ Alt Mode
	3	(2) 3840 x 2160 @ 60Hz + (1) 1920 x 12000 @ 60Hz	(2) 3840 x 2160@60Hz from DP ports or DP + USB-C™ Alt Mode (1) 1920x1200 @ 60Hz from TB port
	3	(3) 2560 x 1600 @ 60hz	(2) DP ports + USB-C™ Alt Mode
	4	(1) 3840 x 2160 @ 60Hz + (2) 2560 x 1440 @ 60Hz+ (1)1920 x 1200 @ 60Hz	(1) 3840x2160 @ 60Hz from DP or USB-C™ Alt Mode (2) 2560x1440 @ 60Hz from DP ports or DP + USB-C™ Alt Mode (1) 1920 x 1200@ 60Hz from TB port

NOTE: Chart is based on 8bit DP1.2 displays (except for 5120x2880 single cable display). NOTE: with a DP1.3 Thunderbolt™ host, when 3 or more displays are attached, the Thunderbolt™ port is limited to a 1920x1200 @ 60hz DP1.2 display, or a 2560x1440@60hz DP1.3 display.

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Specifications

HP Thunderbolt Dock G2 Video resolution specifications

HP Thunderbolt Dock G2 video resolution specifications when the dock is connected to a USB-C™ Alt-Mode system[6]:

Host specification	# of displays	Resolution
DP 1.2 USB-C™ Host:		
HP EliteBook 840r G4	1	2560x1440 @ 60Hz
HP ProBook 600 G4, 400 G5	2	1920x1200 @ 60Hz
HP Pro x2 612 G2	3	(1) 1920x1200 @ 60Hz (2) 1280x768 @ 60Hz
DP 1.3 USB-C™ Host:		
HP EliteBook 700 G5	1	3840x2160 @ 60Hz
HP ProBook 645 G4	2	2560x1600 @ 60Hz+
	3	(1) 2560x1600 @ 60Hz (2) 1680x1050 @ 60Hz
HP ProBook 455 G5	4	1680 x 1050 @ 60Hz (requires MST)

6. USB-C™ systems will perform at USB 3.0 Gen1 speeds
Thunderbolt™ port will function as a USB 2.0 port with only data and power out (15W); no video.

HP Thunderbolt Dock G2 and cables compatibility

HP Thunderbolt Dock 120W G2 (2UK37AA) **HP Thunderbolt Dock 120W G2 cable (3XB94AA)**	HP Elite x2 1012 G1 HP Pro x2 612 G2 HP EliteBook Folio G1 HP EliteBook x360 1030 & 1020 G2 HP EliteBook 1040 G4 HP EliteBook 800, 700 G5 HP ProBook 600 G4, 400 G5 ZBook 14u/15u G5
HP Thunderbolt Dock 230W G2 (2UK38AA) **HP Thunderbolt Dock 230W G2 cable (3XB95AA)**	HP ZBook 17, 15: G3, G4, G5 and Studio: G3, G4, G5 HP ZBook x2 G4 HP ZBook Studio x360 G5 HP ZBook 14u/15u G5 HP Zbook 15v G5 HP EliteBook 800, 700 G5, 1050 G1
HP Thunderbolt Dock G2 w/ combo cable (3TR87AA) **HP Thunderbolt Dock G2 combo cable (3XB96AA)**	Compatible with all notebooks listed for 120W and 230W models NOTE: Requires 230W AC adapter

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