

Technical Specifications

HP Dock Solutions

Models

| | |
|--|---------|
| HP Thunderbolt™ Dock 120W G2 New! | 2UK37AA |
| HP Thunderbolt™ Dock 230W G2 New! | 2UK38AA |
| HP Thunderbolt™ Dock G2 w/ Combo Cable New! | 3TR87AA |
| HP Thunderbolt™ Dock 120W G2 w/ Audio New! | 3YE87AA |
| HP Thunderbolt™ Dock G2 Audio Module New! | 3AQ21AA |
| HP USB-C™ Dock G4 New! | 3FF69AA |
| HP USB-C™ Universal Dock w/4.5mm Adapter New! | 2UF95AA |
| HP USB-C™ Universal Dock Non-flash Version New! | 3DV65AA |
| HP USB-C™ Universal Dock | 1MK33AA |
| HP USB-C™ Mini Dock | 1PM64AA |
| HP USB-C™ Travel Dock | TOK29AA |
| HP USB Travel Dock | TOK30AA |
| HP UltraSlim Docking Station | D9Y32AA |
| HP Elite 90W Thunderbolt™ 3 Dock | 1DT93AA |
| HP ZBook 150W Thunderbolt™ 3 Dock | P5Q58AA |
| HP ZBook 200W Thunderbolt™ 3 Dock | P5Q61AA |

Technical Specifications

HP Thunderbolt™ Dock G2 – Left View (120W/230W)



- | | |
|--|---------------------------|
| 1. 1 Power button ¹ | 4. 1 Powered USB 3.0 port |
| 2. 1 USB-C™ port with data and power out (15W) | 5. 1 Kensington lock slot |
| 3. 1 Headphone/microphone combo jack | |

1. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.

Technical Specifications

HP Thunderbolt™ Dock G2 – Back side (120W/230W)



- 6. 2 USB 3.0 ports
- 7. 1 VGA port
- 8. 2 DisplayPort™ ports
- 9. 1 USB-C™ DisplayPort™, data and power out (15W) port
- 10. 1 Ethernet port

- 11. 1 AC Adapter connector (7.4mm)
- 12. 1 Thunderbolt™ port

Technical Specifications

| | Components |
|--|---|
| Ports | 1 USB-C™ data and charging port (15W) 1 USB-C™ DisplayPort™ – data and charging (15W) 1 USB-C™ Thunderbolt™ port 2 USB 3.0 ports 1 USB 3.0 charging port 1 Power Adapter port 2 DisplayPort™ ports 1 Ethernet port (10/100/1000) 1 combo audio port 1 Security lock slot |
| Dimensions (H x W x D) | 3.9 x 3.9 x 2.7 in (98 x 98 x 69 mm) |
| Weight | 1.76 lb (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 (0.7meter 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 AC Adapter connector |
| 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 |
| Power delivery (PD) Profiles | 5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A |
| Power to system | Up to 100W |
| 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 % |
| Maximum altitude unpressurized (operating) | 15 m to 3,048 m (- 50 ft to 10,000 ft) |
| Operating Systems⁵ | Win 7, Win 10, Chrome and MacOS |

1. Requires host notebook to support in its BIOS.

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.

Technical Specifications

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 MacOS 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 (see points below):
 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.

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 | 1 | (1) 4096x2160 @ 60Hz | 1 DP or 1 TB or 1 USB-C™ alt mode |
| HP Elite x2 1012 G1,G2 HP EliteBook Folio G1 | 2 | (2) 4096 x 2160 @ 60Hz | 1 DP + 1 TB port or 1 USB-C™ Alt mode port + 1 TB port |
| HP EliteBook x360 1030 & 1020 G2 HP EliteBook 1040 G4 HP EliteBook 800 G5 HP ZBook 14u/15u | 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 |
| HP ZBook 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 (1) 1920 x 1080 @ 60Hz from DP or USB- C™Alt mode |
| Host Specification | # of displays on dock | 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 1200 @ 60Hz | (2) 3840 x 2160@60Hz from DP ports or DP + USB-C™ alt (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 (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.




Technical Specifications

HP Thunderbolt™ Dock G2 video resolution specifications when the dock is connected to a USB-C™ alt-mode system¹:

| Host Specification | # of monitors | |
|---|---------------|--|
| DP 1.2 USB-C™ host | 1 | 2560x1440 @ 60Hz |
| | 2 | 1920x1200 @ 60Hz |
| | 3 | (1) 1920x1200 @ 60Hz (2) 1280x768 @ 60Hz |
| HP EliteBook 840r G4 HP ProBook 600 G4, 400 G5 HP Pro x2 612 G2 | 1 | 3840x2160 @ 60hz |
| | 2 | 2560x1600 @ 60Hz |
| | 3 | (1) 2560x1600 @ 60Hz (2) 1680x1050 @ 60Hz |
| DP 1.3 USB-C™ host | 4 | 1680 x 1050 @ 60Hz (requires MST) |

1. 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 cable types

| | | |
|--|---|--|
|  |  |  |
| HP TB Dock G2 120W cable | HP TB Dock G2 230W cable | HP TB Dock G2 Combo Cable* |
| Part #: 3XB94AA | Part #: 3XB95AA | Part #: 3XB96AA |
| Compatibility: HP Elite x2 1012 G1, G2 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 | Compatibility: HP ZBook 17, 15 G3, Studio G3 HP ZBook 17, 15 G4, Studio G4, x2 G4 ZBook 14u/15u G5 ZBook G5 HP EliteBook 800/700 G5 | Compatibility: Compatible with all notebooks listed for 120W and 230W cables |
| | | NOTE: Requires 230W AC adapter |

Technical Specifications

HP Thunderbolt™ Dock 120W G2 w/Audio– Left View



1. LED indicator (power button to power, wake, sleep host system)¹
2. Pick up / accept / hold call
3. Mic Mute
4. Volume down
5. Volume up
6. Hang up / decline call
7. 1 USB-C™ port with data and power out (15W)
8. 1 Headphone/microphone combo jack
9. 1 Powered USB 3.0 port
10. 1 Kensington lock slot

1. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.

HP Thunderbolt™ Dock 120W G2 w/Audio– Back View



- 11. 2 USB 3.0 ports
- 12. 1 VGA port
- 13. 2 DisplayPort™ ports
- 14. 1 USB-C™ DisplayPort™, data and power out (15W) port

- 15. 1 Ethernet port
- 16. 1 AC Adapter connector (7.4mm)
- 17. 1 Thunderbolt™ port

Technical Specifications

| Components | |
|--|--|
| Ports | <ul style="list-style-type: none"> 1 USB-C™ port with data and power out (15W) 1 USB-C™ cable to connect to host system (0.7m cable length) 1 powered USB 3.0 port 1 combo audio jack 1 Kensington lock slot 1 Thunderbolt™ port 1 USB-C™ DisplayPort™, data and power out port (15W) 2 DisplayPort™ ports 1 VGA port 2 USB 3.0 ports 1 RJ45 port 1 AC adapter |
| Dimensions (H x W x D) | 3.9 x 3.9 x 4.5 in (98 x 98 x 114 mm) |
| Weight | 2 lb (0.91 kg) |
| Top components | <ul style="list-style-type: none"> LED indicator (power button to power¹, wake, sleep host system) Pick up / accept / hold call Mic Mute Volume up Volume down Hang up / decline call |
| Front components | <ul style="list-style-type: none"> One USB-C™ port with data and power out (15W) One USB-C™ cable to connect to host system (0.7m cable length) |
| Side components | <ul style="list-style-type: none"> One powered USB 3.0 port One combo audio jack One Kensington lock slot |
| Back components | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> PXE Boot Wake on Lan (from the Off, Sleep or Hibernation States²) MAC Address Pass-Through (from the On, Off, Sleep or Hibernation States³) WLAN-LAN Switching⁴ |
| External monitor support | Up to 4 ⁵ |
| Power delivery (PD) profiles | PD 3.0: 5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A |
| Speaker rated power | 2W |
| Operating voltage and current | <ul style="list-style-type: none"> 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 % |
| Maximum altitude unpressurized (operating) | 15 m to 3,048 m (- 50 ft to 10,000 ft) |
| Operating systems | Win 7, Win 10, Chrome and MacOS ⁵ |

Technical Specifications

| | |
|---------------------------|---|
| LED colored ring | Incoming call (blinking green) On call (solid green) On muted call (solid red) Hold (blinking green) |
| Speakers/mics | Two side-firing speakers and two microphones |
| Microphone type | Omni-directional |
| Analog audio | Yes |
| Number of channels | Stereo (left and right channels) |
| Power to system | Up to 100W via USB-C™ |

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 MacOS 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.

NOTE: For video specifications, please refer to page 5 of this quick specs

HP Thunderbolt™ Dock G2 Audio Module



- | | |
|--|---------------------------|
| 1. LED indicator (power button to power, wake, sleep host system) ¹ | 4. Volume down |
| 2. Pick up / accept / hold call | 5. Volume up |
| 3. Mic Mute | 6. Hang up / decline call |

¹ The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks.

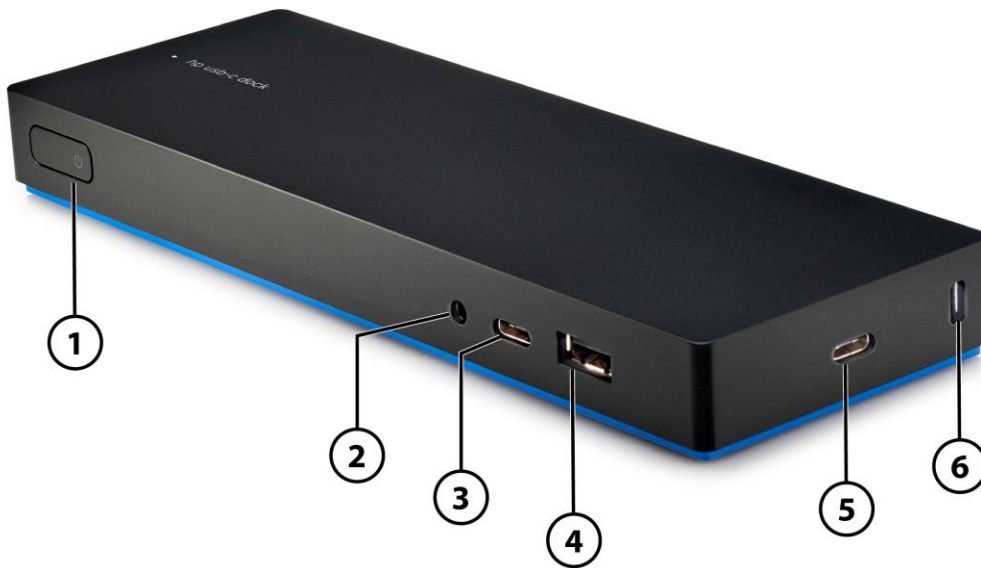
Technical Specifications

Components

| | |
|----------------------------|--|
| - (H x W x D) | 3.9 x 3.9 x 1.28 in (98 x 98 x 32.5 mm) |
| Weight | 0.66 lb (0.30 kg) |
| Top cover buttons | LED indicator (power button to power, wake, sleep host system) Pick up / accept / hold call Mic Mute Volume up Volume down Hang up / decline call |
| LED colored ring | Incoming call (blinking green) On call (solid green) On muted call (solid red) Hold (breathing green) |
| Speakers/mics | Two side-firing speakers and two microphones |
| Microphone type | Omni-directional |
| Analog audio | Yes |
| Number of channels | Stereo (left and right channels) |
| Speaker rated power | 2W |

Technical Specifications

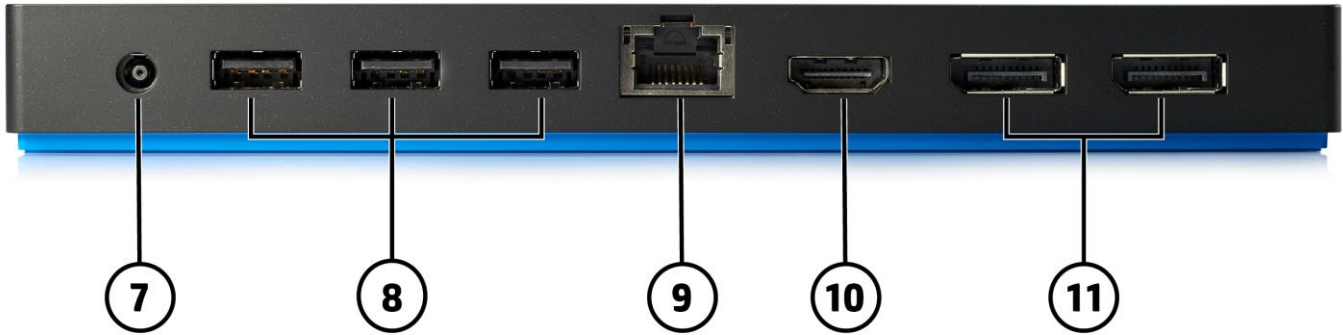
HP USB-C™ Dock G4 - Front View



- | | |
|---|--|
| 1. 1 Power button | 4. 1 USB 3.0 port with data and power out only |
| 2. 1 Combo audio jack | 5. 1 USB-C™ port connects to computers |
| 3. 1 USB-C™ port with power and data out only | 6. 1 Security lock slot |

Technical Specifications

HP USB-C™ Dock G4- Rear View



- 7. 1 Smart AC adapter
- 8. 1 powered USB 3.0 port, 2 USB 2.0 ports
- 9. 1 Gigabit Ethernet port
- 10. 1 HDMI 2.0 port
- 11. 2 DisplayPort ports

Components

Ports

- 1 USB 3.0 port with data and power out only
- 1 USB-C™ port with data and power out only
- 1 Combo audio jack connects to headphone
- Power button to power and wake host system⁴
- 1 Smart AC adapter
- 1 Powered USB 3.0 port
- 2 USB 2.0 ports
- 1 Gigabit Ethernet port
- 1 HDMI 2.0 port
- 2 DisplayPort ports
- 1 USB-C™ port³ connects to computers
- 1 Security lock slot

Technical Specifications

| | |
|--------------------------------------|--|
| Dimensions (H x W x D) | 7.79 x 2.71 x 0.87 in (198 x 69 x 22 mm) |
| Weight | 0.77 lb (0.36 kg) |
| Resolution | Single display: up to 3840 x 1440 @ 60Hz Dual display: up to 1920 x 1200 @ 60Hz Triple display: up to 1680 x 1050 @ 60Hz |
| Front components | One USB 3.0 port with data and power out only USB-C™ port with power and data out only Combo audio jack connects to headphone Power button to power and wake host system ⁴ |
| Side / rear components | Smart AC adapter One powered USB 3.0 port Two USB 2.0 ports Gigabit Ethernet port One HDMI 2.0 port Two DisplayPort ports One USB-C™ port ³ connects to computers Security lock slot |
| Normal operating power | 90W |
| Average operation power 65W | Average operation power 65W |
| Max operating power 100W | Max operating power 100W |
| Power Delivery (PD) profile | USB-C™ PD 3.0 supporting 5V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A and 20V/3A |
| USB-C™ power to Host | Up to 60W |
| Temperature (operating) | 32 to 104 F (0 to +40C) |
| Relative humidity (operating) | 0%~90%RH |
| Altitude (operating) | 10000 ft (3048m) |
| Shock (operating) | 40G, 2ms duration, half-sine wave shock |
| Random vibration (operating) | 1.043g |
| Operating Systems | Windows 10, Windows 10 mobile |
| Option kit contents | HP USB-C™ Dock G4, AC power cable, 90W A/C Adapter, USB-C™ (1m) cable, documentation |

1. Supports DisplayPort™ Alt Mode (video, charging and USB 3.1) over the USB-C™ connector. Also compatible with USB Type-C™ Thunderbolt™ enabled ports.
2. The dock power button is not functional when connected to non-supported HP notebooks or non-HP notebooks. Power button is not functional with Chromebooks.

Technical Specifications

HP USB-C™ Universal Dock - Front View



- 1. 1 USB 3.0 charging/data port
- 2. 1 USB-C™ charging/data port

- 3. 1 Combo audio port

HP USB-C™ Universal Dock - Rear View



- 4. 2 Dual DisplayPort™ ports
- 5. 1 Ethernet port
- 6. 3 USB 2.0 ports

- 7. 1 Power adapter port
- 8. 1 Security lock slot

Technical Specifications

| | Components |
|---------------------------------------|---|
| Ports | 1 USB-C™ charging/data port 4 USB ports (1 USB 3.0, 3 USB 2.0) 1 Power Adapter port 2 DisplayPort™ ports 1 Ethernet port (10/100/1000) 1 combo audio port 1 Security lock slot |
| Dimensions (H x W x D) | 7.87 x 2.76 x 1.1 in (200 x 70 x 28 mm) |
| Weight | 0.77 lb (0.35 kg) |
| Video resolution | Single display: up to 5120 x 2880 @ 60Hz, Dual display: up to 3840 x 2160 @ 60Hz |
| Front components | One powered USB 3.0 port, One USB-C™ port (data), Combo Audio Jack |
| Rear components | Two DisplayPort ports, Gigabit Ethernet port, Three USB 2.0 ports, AC adapter power connector |
| Side components | Kensington lock slot, USB-C™ cable that connects to computers |
| Network manageability features | PXE Boot Wake On Lan (WoL) NOTE: your computer might support WoL from the Off, Sleep or Hibernation States, or only when the computer is On or in Sleep. MAC Address Pass Through ¹ WLAN – LAN switching ² |
| Power Delivery (PD) profile | USB-C™ PD 3.0 supporting 5V/3A, 9V/3A, 10V/3A, 12/3A, 15V/3A, 20V/3A |
| USB-C™ power to Host | Up to 60W |
| Operating systems | Windows 7 and above, Windows 10 S ³ , Chrome ⁴ , MacOS ⁵ |

1. Your computer might support MAC Address Pass-Through from the On, Off, Sleep or Hibernation States, or only when the computer is On or in Sleep; supported for UEFI PXE Boot);

2. Supported only on select computers running Windows 10 operating system.

3. To install the dock drivers on computers running Windows 10 S operating system, run Windows Update.

4. Chrome PCs: native DisplayLink Driver into the OS. Realtek ethernet drivers not available on Chrome PCs

5. MacOS PCs: DisplayLink drivers for MacOS PCs must be downloaded separately from DisplayLink website. Realtek driver for ethernet must also be installed (drivers not provided by HP)

NOTE: The HP USB-C™ Universal Dock is designed to USB-C™ Industry specs and will support charging and port replication for notebooks that have implemented USB-C™ and Thunderbolt™ industry specifications.

Certain features are not functional on non-HP supported nor non-HP notebooks (see points below):

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.

Stand-alone power requirements

Normal Operating Voltage 19.5V

Average Operating Power 77W

Max Operating Power 88W

Temperature

Operating 32~104 °F (0~40 °C)

Non-operating -4~140 °F (-20~+60 °C)

Relative humidity

Operating 5%~90% RH, non-condensing

Non-operating 5%~95% RH, non-condensing

Technical Specifications

Altitude

Operating 10000 ft (3048 m)

Non-operating 30000 ft (9144 m)

Shock

Operating 40G, 2ms, half-sine

Non-operating 240G, 2ms, half-sine

Random vibration

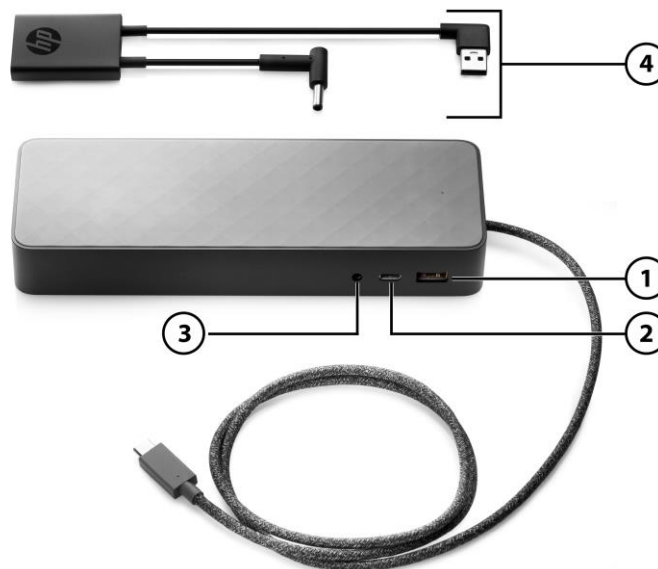
Operating ~0.21g, 5~500 Hz

Non-operating ~2.09g, 5~500 Hz, Non-Operating

Option Kit Contents

HP USB-C™ Universal Dock, AC power cord, 90W A/C adapter, USB-A to USB-C™ adapter, and documentation

HP USB-C™ Universal Dock w/4.5mm Adapter- Front View



1. 1 USB 3.0 charging/data port
2. 1 USB-C™ charging/data port

3. 1 Combo audio port
4. 1 Adapter (4.5mm)

Technical Specifications

HP USB-C™ Universal Dock Non-flash Version- Front View



1. 1 USB 3.0 charging/data port
2. 1 USB-C™ charging/data port

3. 1 Combo audio port

HP USB-C™ Universal Dock Non-flash Version- Rear View



4. 2 Dual DisplayPort™ ports
5. 1 Ethernet port
6. 3 USB 2.0 ports

7. 1 Power adapter port
8. 1 Security lock slot

Technical Specifications

| | Components |
|---------------------------------------|--|
| Ports | <ul style="list-style-type: none"> 1 USB-C™ charging/data port 4 USB ports (1 USB 3.0, 3 USB 2.0) 1 Power Adapter port 2 DisplayPort™ ports 1 Ethernet port (10/100/1000) 1 combo audio port 1 Security lock slot |
| Dimensions (H x W x D) | 7.87 x 2.76 x 1.1 in (200 x 70 x 28 mm) |
| Weight | 0.77 lb (0.35 kg) |
| Video resolution | <ul style="list-style-type: none"> Single display: up to 5120 x 2880 @ 60Hz, Dual display: up to 3840 x 2160 @ 60Hz |
| Front components | <ul style="list-style-type: none"> One powered USB 3.0 port One USB-C™ port (data) One Combo Audio Jack |
| Rear components | <ul style="list-style-type: none"> Two DisplayPort ports One Gigabit Ethernet port Three USB 2.0 ports One AC adapter power connector |
| Side components | Kensington lock slot, USB-C™ cable that connects to computers |
| Network manageability features | <ul style="list-style-type: none"> PXE Boot Wake On Lan (WoL) NOTE: your computer might support WoL from the Off, Sleep or Hibernation States, or only when the computer is On or in Sleep MAC Address Pass Through¹ WLAN – LAN switching² |
| Power Delivery (PD) profile | USB-C™ PD 3.0 supporting 5V/3A, 9V/3A, 10V/3A, 12/3A, 15V/3A, 20V/3A |
| Operating systems | Windows 7 and above, Windows 10 S ³ , Chrome ⁴ , MacOS ⁵ |

1. Your computer might support MAC Address Pass-Through from the On, Off, Sleep or Hibernation States, or only when the computer is On or in Sleep; supported for UEFI PXE Boot);

2. Supported only on select computers running Windows 10 operating system.

3. To install the dock drivers on computers running Windows 10 S operating system, run Windows Update.

4. Chrome PCs: native DisplayLink Driver into the OS. Realtek ethernet drivers not available on Chrome PCs

5. MacOS PCs: DisplayLink drivers for MacOS PCs must be downloaded separately from DisplayLink website. Realtek driver for ethernet must also be installed (drivers not provided by HP)

NOTE: The HP USB-C™ Universal Dock is designed to USB-C™ Industry specs and will support charging and port replication for notebooks that have implemented USB-C™ and Thunderbolt™ industry specifications.

Certain features are not functional on non-HP supported nor non-HP notebooks (see points below):

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.

Technical Specifications

Stand-alone power requirements

| | |
|--------------------------|-------|
| Normal Operating Voltage | 19.5V |
| Average Operating Power | 77W |
| Max Operating Power | 88W |

Temperature

| | |
|---------------|------------------------|
| Operating | 32~104 °F (0~40 °C) |
| Non-operating | -4~140 °F (-20~+60 °C) |

Relative humidity

| | |
|---------------|---------------------------|
| Operating | 5%~90% RH, non-condensing |
| Non-operating | 5%~95% RH, non-condensing |

Altitude

| | |
|---------------|-------------------|
| Operating | 10000 ft (3048 m) |
| Non-operating | 30000 ft (9144 m) |

Shock

| | |
|---------------|----------------------|
| Operating | 40G, 2ms, half-sine |
| Non-operating | 240G, 2ms, half-sine |

Random vibration

| | |
|---------------|---------------------------------|
| Operating | ~0.21g, 5~500 Hz |
| Non-operating | ~2.09g, 5~500 Hz, Non-Operating |

Contents

HP USB-C™ Universal Dock with no Flash Drive, 4.5mm and USB Dock Adapter, AC power cord, 90W A/C adapter and documentation

Drivers

HP USB-C™ Universal Dock (1MK33AA) Drivers are on the dock

HP USB-C™ Universal Dock with USB & 4.5mm Adapter (2UF95AA) Drivers are on the dock.

HP USB-C™ Universal Dock Non-Flash with USB & 4.5mm Adapter (3DV65AA) Dock drivers need to be downloaded via the web:

1. Go to <http://www.hp.com/support>
2. Follow the online instructions to get software and drivers

Option Kit Contents

HP USB-C™ Universal Dock (1MK33AA)

HP USB-C™ Universal Dock, AC power cord, 90W A/C adapter, USB-A to USB-C™ adapter, and documentation

HP USB-C™ Universal Dock with USB & 4.5mm Adapter (2UF95AA)

HP USB-C™ Universal Dock, AC power cord, 90W A/C adapter, USB-A to USB-C™ adapter, and documentation

HP USB-C™ Universal Dock Non-Flash with USB & 4.5mm Adapter (3DV65AA)

HP USB-C™ Universal Dock with no Flash Drive, 4.5mm and USB Dock Adapter, AC power cord, 90W A/C adapter and documentation

Technical Specifications

HP USB-C™ Universal Dock Cables and Adapters HP 4.5mm and USB Dock Adapter



NOTE: Included only with non-flash and 4.5mm adapter SKU, this component is not compatible with any other dock or platform.

HP USB-A to USB-C™ Adapter



NOTE: Included with HP USB-C™ Universal Dock (1MK33AA)

Technical Specifications

HP USB-C™ Mini Dock - Front View



1. 1 USB-C™ charging/data port

HP USB-C™ Mini Dock - Rear View



2. 1 HDMI port
3. 1 VGA port
4. 1 Ethernet port
5. 2 USB-A ports

Technical Specifications

| | Components |
|---------------------------------------|---|
| Ports | 1 USB-C™ charging/data port 2 USB ports (1 USB 3.0, 1 USB 2.0) 1 Ethernet port (10/100/1000) 1 VGA port 1 HDMI |
| Dimensions (H x W x D) | 5.7 x 2.17 x 0.69 in (145x55x17.5 mm) |
| Weight | 0.29 lb (0.132 kg) |
| Video resolution | Only single display supported HDMI: 4096 x 2160 @ 30Hz VGA: 1920 x 1080 |
| Network manageability features | PXE Boot Wake On Lan (WoL) NOTE: Your computer might support WoL from the Off, Sleep or Hibernation States, or only when the computer is On or in Sleep. MAC Address Pass Through NOTE: Your computer might support MAC Address Pass-Through from the On, Off, Sleep or Hibernation States, or only when the computer is On or in Sleep; supported for UEFI PXE Boot) WLAN – LAN switching NOTE: Supported only on select computers running Windows 10 operating system. |
| Power Delivery (PD) profiles | USB-C™ PD 3.0 supporting 90W, 65W, 45W, 15W and 10W USB-C™ AC Adapters (not included) 90W USB-C™ AC Adapter supports 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A 65W USB-C™ AC Adapter supports 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A 45W USB-C™ AC Adapter supports 5V/3A, 9V/3A, 12V/2.3A, 15V/2A 15W USB-C™ AC Adapter supports 5V/1A 10W USB-C™ AC Adapter supports 5V/0.5A |
| Option Kit Contents | HP USB-C™ Mini Dock, Documentation |
| Stand-alone power requirements | |
| Normal Operating Voltage | 5V |
| Average Operating Power | 12W |
| Max Operating Power | 15W |
| Temperature | |
| Operating | 32~104 °F (0~40 °C) |
| Non-operating | -4~140 °F (-20~+60 °C) |
| Relative humidity | |
| Operating | 5%~90% RH, non-condensing |
| Non-operating | 5%~95% RH, non-condensing |
| Altitude | |
| Operating | 10000 ft (3048 m) @2 hours |
| Non-operating | 30000 ft (9144 m) @ 2 hours |
| Shock | |
| Operating | 40G, 2ms, half-sine |
| Non-operating | 240G, 2ms, half-sine |
| Random vibration | |
| Operating | ~0.21g, 5~500 Hz |
| Non-operating | ~2.09g, 5-500 Hz, Non-Operating |

Technical Specifications

HP USB Travel Dock - Front View



1. USB ports (2)

HP USB Travel Dock - Rear View



2. 1 Ethernet port
3. 1 VGA port

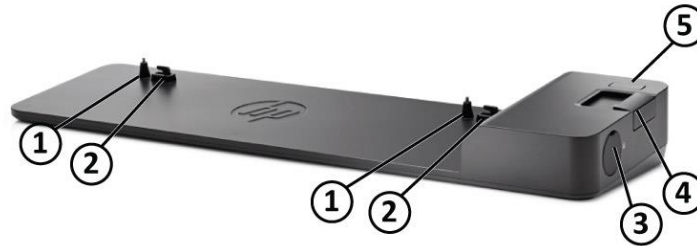
4. 1 HDMI port

Components

| | |
|------------------------------------|---|
| Ports | 2 USB ports (1 USB 3.0, 1 USB 2.0) 1 Ethernet port (10/100/1000) 1 VGA port 1 HDMI |
| Dimensions (W x D x H) | 5.0 x 1.5 x 0.75 in (127 x 38.1 x 19 mm) |
| Weight | 0.21 lb (0.095 kg) |
| Power requirements | |
| Powered from VBUS | 5 Volts/3 Amps |
| Operating Systems Supported | Microsoft-Windows XP/Vista/Win7/Win8.1/Win10 (install updated driver) |
| Option Kit Contents | HP USB-C™ Travel Dock, documentation |

Technical Specifications

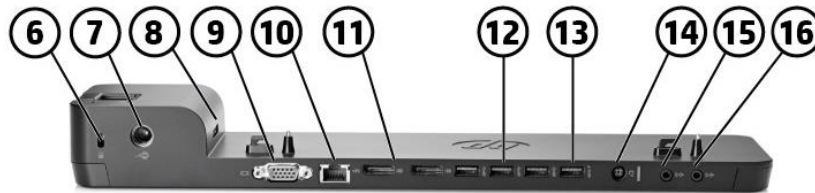
HP UltraSlim Docking Station – Front side



- 1. 2 Docking posts
- 2. 2 Locking mechanism
- 3. 1 Docking station cable lock slot¹
- 4. 1 Connection button
- 5. 1 Power on/off

¹. Lock not included

HP UltraSlim Docking Station – Rear side



- 6. 1 Lock slot¹
- 7. 1 Docking station cable lock slot¹
- 8. 1 Side docking connector
- 9. 1 VGA port
- 10. 1 LAN/Ethernet port
- 11. 2 DisplayPort 1.2
- 12. 3 USB 3.0 ports
- 13. 1 USB 3.0 charging port
- 14. 1 Power connector
- 15. 1 Line in jack
- 16. 1 Line out jack

¹. Lock not included

Components

| | |
|--------------|--|
| Ports | <ul style="list-style-type: none"> 1 Lock slot 1 Docking station cable lock slot 1 Side docking connector 1 VGA port 1 LAN/Ethernet port 2 DisplayPort 1.2 3 USB 3.0 ports 1 USB 3.0 charging port 1 Power connector 1 Line in jack 1 Line out jack |
|--------------|--|

Technical Specifications

| | |
|-------------------------------|--|
| Dimensions (H x W x D) | 1.7 x 14.5 x 4.2 in (44 x 368x 107 mm) |
| Weight | 1.69 lb (0.76 kg) |
| Front components | Two Docking posts Two Computer connect/ release mechanisms One Docking connector One Connect button One Power on/off button |
| Rear components | One Lock slot1 One Docking station cable lock slot1 One Side docking connector One VGA port One LAN/Ethernet port Two DisplayPort 1.2 Three USB 3.0 ports One USB 3.0 charging port One Power connector One Line in jack One Line out jack |

NOTE: Your computer, docking station, and monitor must all support USB 3.0 and DisplayPort 1.2 to benefit from the advanced speeds or features that these technologies provide. If one of the devices does not support these technologies, you will still have USB 2.0 and DisplayPort 1.1 functionality.

Stand-alone power requirements

| | |
|--------------------------|--------|
| Normal Operating Voltage | 18.5 V |
| Average Operating Power | 18.5 W |
| Max Operating Power | < 65 W |

Temperature

| | |
|---------------|------------------------------|
| Operating | 32° to 95° F (0° to 35° C) |
| Non-operating | 4° to 140° F (-20° to 60° C) |

Relative humidity

| | |
|---------------|--|
| Operating | 10% to 90%, non-condensing |
| Non-operating | 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature |

Altitude

| | |
|---------------|---------------------------------------|
| Operating | -50 to 10,000 ft (-15.24 to 3,048 m) |
| Non-operating | -50 to 40,000 ft (-15.24 to 12,192 m) |

Shock

| | |
|---------------|------------------------|
| Operating | 125 G, 2 ms, half-sine |
| Non-operating | 200 G, 2 ms, half-sine |

Random vibration

| | |
|---------------|-------|
| Operating | 0.75g |
| Non-operating | 1.50g |

| | |
|----------------------------|---|
| Option Kit Contents | HP UltraSlim Docking Station, AC power adapter, documentation |
|----------------------------|---|

Technical Specifications

HP Elite Thunderbolt™ 3 Dock and HP ZBook Thunderbolt™ 3 Dock – Front View



1. Power button
2. USB 3.0 ports (2)
3. Headphone/microphone combo jack

HP Elite Thunderbolt™ 3 Dock and HP ZBook Thunderbolt™ 3 Dock – Rear View



4. 1 Security lock slot
5. 1 Ethernet port
6. 1 VGA port
7. 2 USB ports
8. 2 DisplayPorts
9. 1 USB-C™ port
10. 1 Power connector (4.5mm)
11. 1 Thunderbolt™/ power cable

Technical Specifications

| Components | |
|-------------------------|--|
| Ports | <ul style="list-style-type: none">2 USB 3.0 ports1 Headphone/microphone combo jack1 Security lock slot1 Ethernet port1 VGA port2 USB ports2 DisplayPorts1 USB-C™ port1 Power connector1 Thunderbolt™ / Power Cable |
| Front Components | <ul style="list-style-type: none">1 Power button2 USB 3.0 ports1 Audio connector |
| Rear Components | <ul style="list-style-type: none">1 AC power port1 Powered USB 3.0 port1 USB 3.0 ports1 USB-C™ port2 DisplayPort™ 1.2 ports1 VGA port1 Thunderbolt™ / Power Cable1 Power connector (4.5mm)1 Power connector (7.4mm)1 Cable lock slot1 Ethernet port |

NOTE: Your Notebook must support Thunderbolt™ 3 to enable the docking station. Docking station, and monitor must all support USB-C™, USB 3.0 and DisplayPort 1.2 to benefit from the advanced speeds or features that these technologies provide. If one of the devices does not support these technologies, you will still have USB 2.0 and DisplayPort 1.1 functionality.
To support dual 4k monitors, connect one monitor via DisplayPort and one via the USB-C™ connector and a USB-C™ to DP dongle. Dual 2k monitors can be supported using both DisplayPorts.

Technical Specifications

HP Elite 90W Thunderbolt™ 3 Dock

| | |
|---------------------------------------|--|
| Dimensions (H x W x D) | 9.06 x 2.24 x .69 in (230 x 57 x 17.5 mm) (w/ feet) |
| Weight | 0.5 lb (.227 kg) |
| Stand-alone power requirements | |
| Normal Operating Voltage | 19.5V |
| Average Operating Power | 0.368W |
| Max Operating Power | 90W |
| Temperature | |
| Operating | 32° to 95° F (0° to 35° C) |
| Non-operating | 4° to 140° F (-20° to 60° C) |
| Relative humidity | |
| Operating | 10% to 90%, non-condensing |
| Non-operating | 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature |
| Altitude | |
| Operating | -50 to 10,000 ft (-15.24 to 3,048 m) |
| Non-operating | -50 to 40,000 ft (-15.24 to 12,192 m) |
| Shock | |
| Operating | 125 G, 2 ms, half-sine |
| Non-operating | 200 G, 2 ms, half-sine |
| Random vibration | |
| Operating | 0.75g |
| Non-operating | 1.50g |
| Option Kit Contents | HP Elite 90W Thunderbolt™ 3 Dock, Thunderbolt™/AC power cable, 90W A/C |

NOTE: A firmware update is required to support the HP Elite 800 G5 notebook series. It can be found here:
<https://support.hp.com/us-en/drivers/selfservice/swdetails/hp-elite-90w-thunderbolt-3-dock/15832458/model/15832459/swItemId/cp-203269-1>



Technical Specifications

HP ZBook 150W Thunderbolt™ 3 Dock

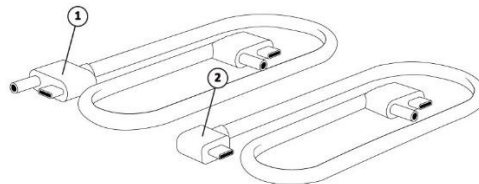
| | |
|---------------------------------------|---|
| Dimensions (H x W x D) | 9.06 x 2.24 x .69 in (230 x 57 x 17.5 mm) (w/ feet) |
| Weight | 0.5 lb (.227 kg) |
| Stand-alone power requirements | |
| Normal Operating Voltage | 19.5V |
| Average Operating Power | 0.29W |
| Max Operating Power | 150W |
| Temperature | |
| Operating | 32° to 95° F (0° to 35° C) |
| Non-operating | 4° to 140° F (-20° to 60° C) |
| Relative humidity | |
| Operating | 10% to 90%, non-condensing |
| Non-operating | 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature |
| Altitude | |
| Operating | -50 to 10,000 ft (-15.24 to 3,048 m) |
| Non-operating | -50 to 40,000 ft (-15.24 to 12,192 m) |
| Shock | |
| Operating | 125 G, 2 ms, half-sine |
| Non-operating | 200 G, 2 ms, half-sine |
| Random vibration | |
| Operating | 0.75 g |
| Non-operating | 1.50 g |
| Option Kit Contents | HP ZBook 150W Thunderbolt™ 3 Dock, Thunderbolt™/AC power cable, 150W A/C power adapter, documentation |

Technical Specifications

HP ZBook 200W Thunderbolt™ 3 Dock

| | |
|---------------------------------------|--|
| Dimensions (H x W x D) | 9.06 x 2.24 x .69 in (230 x 57 x 17.5 mm) (w/ feet) |
| Weight | 0.5 lb (.227 kg) |
| Stand-alone power requirements | |
| Normal Operating Voltage | 19.5V |
| Average Operating Power | 0.368W |
| Max Operating Power | 200W |
| Temperature | |
| Operating | 32° to 95° F (0° to 35° C) |
| Non-operating | 4° to 140° F (-20° to 60° C) |
| Relative humidity | |
| Operating | 10% to 90%, non-condensing |
| Non-operating | 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature |
| Altitude | |
| Operating | -50 to 10,000 ft (-15.24 to 3,048 m) |
| Non-operating | -50 to 40,000 ft (-15.24 to 12,192 m) |
| Shock | |
| Operating | 125 G, 2 ms, half-sine |
| Non-operating | 200 G, 2 ms, half-sine |
| Random vibration | |
| Operating | 0.75g |
| Non-operating | 1.50g |
| Option Kit Contents | HP ZBook 200W Thunderbolt™ 3 Dock, Thunderbolt™/AC power cable, 200W A |

Cables Types - HP Elite Thunderbolt™ 3 Dock and HP ZBook Thunderbolt™ 3 Dock



1. USB-C™ with Thunderbolt™ 3 power cable for HP ZBooks with Thunderbolt™ (0.5 m. cable length). A 1 meter cable available separately.
2. USB-C™ with Thunderbolt™ 3 power cable for HP Elite Notebooks and Tablets (0.5 m. cable length)

Technical Specifications

Compatibility

HP Dock Solutions are compatible with HP notebooks as follows:

Docking Station

HP Thunderbolt Dock 120W G2

HP Thunderbolt Dock 230W G2

HP Thunderbolt Dock w/Combo Cable

HP Thunderbolt Dock w/Audio

HP Thunderbolt Dock Audio Module

HP USB-C Dock G4

HP USB Travel Dock

HP Elite USB-C Docking Station

HP UltraSlim Docking Station

HP Elite 90W Thunderbolt 3 Dock

Compatible Notebooks

HP Elite x2 1012 G1, G2

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 ZBook 17, 15 G3, Studio G3

HP ZBook 17, 15 G4, Studio G4, x2 G4

ZBook 14u/15u G5

ZBook G5

HP EliteBook 800, 700 G5

Compatible with all notebooks listed for 120W and 230W models

Compatible with all devices listed above.

HP Thunderbolt Dock G2 required

HP ProBook 600 G4, 400 G5

HP EliteBook 800, 700 G5

HP EliteBook x360 1030 & 1020 G2

HP EliteBook 1040 G4

ChromeBook x360

HP Elite x2 1012 G2

HP Pro x2 612 G2

HP ChromeBook 13

HP Spectre Pro 13 G1 Notebook PC

HP EliteBook Folio G1; HP Elite x2 1012 G1

All HP notebooks with a powered USB-A port

HP Elite x2 1012, HP Pro Tablet 608 G1, HP EliteBook Folio G1

HP EliteBook Folio 1020 G1

HP EliteBook Folio 1040 G1, G3

HP EliteBook 1040 G2

HP EliteBook Revolve 810 G1, G3

HP EliteBook 820 G1, G2, G3, G4

HP EliteBook 840 & 850 G1, G2, G3, G4, G5

HP EliteBook 830 G5

HP EliteBook 720, 740, 750 G1, G2

HP EliteBook 725 G3, G4

HP EliteBook 745, 755 G3, G4, G5

HP EliteBook 735 G5

HP ProBook 640, 650 G2, G3, G4

HP ProBook 645 G2, G3, G4

HP ProBook 655 G2, G3

HP EliteBook Folio 9480m, 9470m

HP ZBook 14u G4, G5

HP ZBook 15u G3, G4, G5

HP Elite x2 1012 G1-G2, HP EliteBook Folio G1, HP EliteBook x360 1030 G2

Technical Specifications

HP ZBook 150W Thunderbolt 3 Dock
HP ZBook 200W Thunderbolt 3 Dock

HP ZBook 15 G3- G5 HP ZBook Studio G3- G5,HP ZBook x2
HP ZBook 17 G3-G5

NOTE: Your computer, docking station, and monitor must all support USB 3.0 and DisplayPort 1.2 to benefit from the advanced speeds or features that these technologies provide. If one of the devices does not support these technologies, you will still have USB 2.0 and DisplayPort™ 1.1 functionality.

Service and Support

HP Dock Solutions are supported by a one-year limited warranty. Additional support is available 24 hours a day, seven days a week by phone as well as online support forums.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Summary of Changes

| Date of change | Version 1 to 2 | | Description of change |
|----------------|----------------|--------|--|
| | V1 to V2 | Launch | |
| July 6, 2018 | V1 to V2 | Update | Typo corrected on "LED colored ring" specs |

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