

Technical Specifications

HP Ultra-light Docking Stations

Models

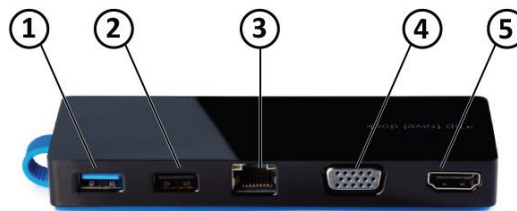
HP USB-C Travel Dock	T0K29AA
HP USB Travel Dock	T0K30AA
HP Elite USB-C Docking Station	X7W54AA
HP Advanced Wireless Docking Station	F7M97AA
HP UltraSlim Docking Station	D9Y32AA
HP Elite 90W Thunderbolt 3 Dock New!	1DT93AA
HP ZBook 150W Thunderbolt 3 Dock	P5Q58AA
HP ZBook 200W Thunderbolt 3 Dock	P5Q61AA

Technical Specifications

HP USB-C Travel Dock - Front side



HP USB-C Travel Dock - Rear side



- | | |
|------------------|--------------|
| 1. USB 3.0 port | 4. VGA port |
| 2. USB 2.0 port | 5. HDMI port |
| 3. Ethernet 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
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	HP USB-C Travel Dock
Dimensions (W x D x H)	1.20 x 1.71 x .69 inches (3.06 x 4.34 x 1.75 cm)
Weight	.21 lb (95 g)

Power requirements	
Powered from VBUS	5 Volts/3 Amps

Operating Systems Supported	Microsoft-Windows XP/Vista/Win7/Win8.1/Win10 (install updated driver)
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Option Kit Contents	HP USB-C Travel Dock and documentation
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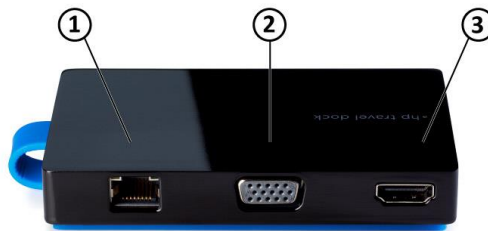
Technical Specifications

HP USB Travel Dock - Front side



1. USB ports (2)

HP USB Travel Dock - Rear side



1. Ethernet port
2. VGA port

3. HDMI port

Components

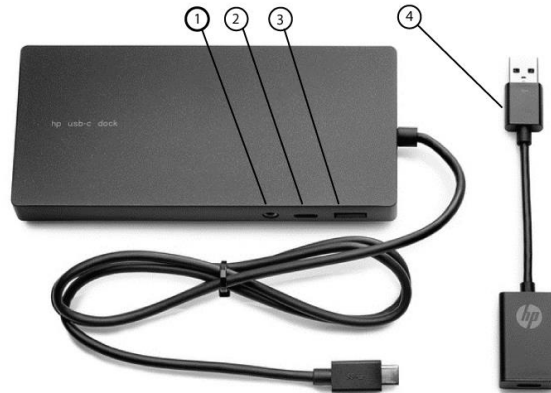
Ports	2 USB ports (1 USB 3.0, 1 USB 2.0) 1 Ethernet port (10/100/1000) 1 VGA port 1 HDMI
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Technical Specifications

	HP USB Travel Dock
Dimensions (W x D x H)	5.0x1.5x0.75 inches (12.7 x 3.81 x 1.9 cm)
Weight	.21 lb (95 g)
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 Elite USB-C Docking Station- Front side



1. Headphone/microphone combo
2. USB-C™ port
3. USB port
4. USB Type A to Type C Adapter

HP Elite USB-C Docking Station- Rear side



1. Power In
2. USB ports (3)
3. Ethernet port
4. HDMI port
5. DisplayPort

Components

Ports	5 USB ports (1 USB-C, 3USB 2.0, 1 USB 3.0) 1 Ethernet port (10/100/1000) 1 HDMI 1 DisplayPort
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Technical Specifications

	HP Elite USB-C Docking Station
Dimensions (H x W x D)	6x2.76x0.77 in (152.4x70x19.6 mm)
Weight	.66 lb (0.3kg)
Stand-alone power requirements	
Normal Operating Voltage	18.519.5 V
Average Operating Power	55 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	0.75 grms
Non-operating	1.50 grms
Option Kit Contents	HP Elite USB-C Docking Station, AC Power Cable, 65W AC power adapter, HP USB Type A to Type C Adapter, Tether, documentation

Technical Specifications

HP Advanced Wireless Dock – Front side



- 1. Connection button
- 2. USB 3.0 Charging port

- 3. Headphone out
- 4. Microphone in

Technical Specifications

HP Advanced Wireless Dock – Rear side



- | | |
|--------------------------|-------------------------|
| 1. Reset button | 5. VGA port |
| 2. Power button | 6. RJ45 (Ethernet) port |
| 3. Display ports 1.2 (2) | 7. DC in jack -4.5 mm |
| 4. USB 3.0 ports (3) | 8. Security lock slot |

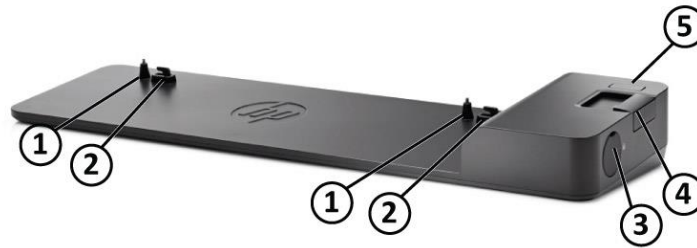
Components

Ports	4 USB 3.0 ports (3 std, 1 powered)
	1 RJ45 Ethernet port (10/100/1000)
	1 Security lock slot
	1 VGA port
	2 Display port 1.2
	1 Microphone in
	1 Headphone out
	1 DC in jack - 4.5mm

Note: The WiGig-compatible notebook or tablet must be positioned within 1.2 m (4 ft) and without obstruction in the line of sight of the wireless dock. HP Advanced Wireless Docking is compatible with the HP Elite x2 1011 G1 with an optional installed Intel® Tri Band Wireless AC with WiGig Combo card available at the time of purchase.

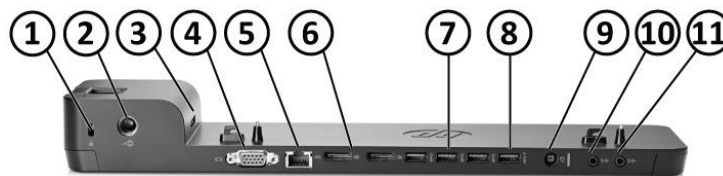
Technical Specifications

HP UltraSlim Docking Station – Front side



- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Docking posts 2. Locking mechanism 3. Docking station cable lock slot (lock not included) | <ul style="list-style-type: none"> 4. Connection button 5. Power on/off |
|--|---|

HP UltraSlim Docking Station – Rear side



- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Lock slot (lock not included) 2. Docking station cable lock slot (lock not included) 3. Side docking connector 4. VGA port 5. LAN/Ethernet port 6. DisplayPort 1.2 (2) | <ul style="list-style-type: none"> 7. USB 3.0 ports (3) 8. USB 3.0 charging port (1) 9. Power connector 10. Line in jack 11. Line out jack |
|--|---|

Front Components

Docking posts (2)	Align and secure the computer for proper connection to the docking station
Computer connect/ release mechanisms (2)	Connect and release the computer when you press the connection button
Docking connector	Docking connector for notebook
Connect button	Secures and releases the computer Slide in to secure the computer Slide out to release the computer
LEDs	AC present: aqua white; Dock connected: white; two RJ45 LEDs: amber/green

Technical Specifications

HP UltraSlim Docking Station D9Y32AA

Rear Components

AC power port	Energy-efficient 65W Smart AC adapter features integrated surge protection to help against power fluctuations.
Integrated cable lock slot	Supports the HP Docking Station Cable Lock with a simplified locking mechanism. Gives you two security options: lock the docking station only (which also prevents access to the Station drive bay); or lock both the docking station and your notebook for additional security. Also supports an industry standard notebook lock.
Network connectors	RJ-45 / Ethernet pass thru
USB ports	3 USB 3.0 ports, 1 USB 3.0 charging port
Audio connectors	Line-In; Line-Out
Other connectors	VGA, DisplayPort 1.1a (DP 1.2 capable)

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.

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HP UltraSlim Docking Station

Dimensions (H x W x D)	1.7 x 14.5 x 4.2 in (4.4 x 36.8x 10.7 cm)
Weight	1.69 lb (0.76 kg)
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	0.75 grms
Non-operating	1.50 grms
Option Kit Contents	HP UltraSlim Docking Station, AC power adapter, documentation

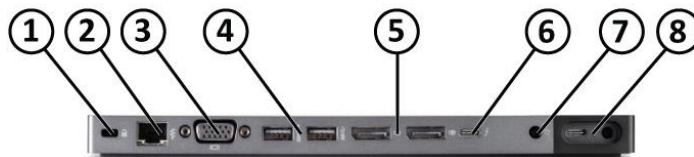
Technical Specifications

HP Elite Thunderbolt 3 Dock and HP ZBook Thunderbolt 3 Dock – Front side



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

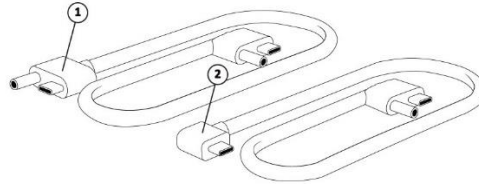
HP Elite Thunderbolt 3 Dock and HP ZBook Thunderbolt 3 Dock – Back side



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

Technical Specifications

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



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

Technical Specifications

HP Elite 90W Thunderbolt 3 Dock 1DT93AA
HP ZBook 150W Thunderbolt 3 Dock P5Q58AA
HP ZBook 200W Thunderbolt 3 Dock P5Q61AA

Front Components

Power button	Turns on the power to the computer
Computer power light	Light on: docked computer is turned on Light blinking: docked computer is in standby mode
Docking Cable	Thunderbolt 3™ power cable connects the computer to the docking station. HP ZBook Thunderbolt 3™ 1m Cable; only compatible with HP ZBook 150W and 200W Thunderbolt 3 Docks (Z4P20AA)
Connect light	One: a computer is fully docked the light is on and blinks in standby mode

Rear/Right-Side Components

AC power port	Energy-efficient 150W Smart AC adapter features integrated surge protection to help against power fluctuations.
Powered USB 3.0 port	One; allows you to connect to select USB devices
USB 3.0 ports	Three, allow you to connect to standard USB devices.
USB-C port	One; Provides external device charging up to 15 watts;
Video connectors	Two DisplayPort 1.2 ports, one VGA, One Thunderbolt™/Power Cable
Power connectors	One Thunderbolt™/Power combination cable connector, One 4.5mm and one 7.4mm power inputs
Integrated cable lock slot	Supports HP Cable Locks Also supports HP Dual Head Cable Lock.
Network connectors	Ethernet port
USB ports	3 USB 3.0 ports, 1 powered USB 3.0 port
Audio connector	Combo audio mic/headphones
Other connectors	VGA, Two DisplayPort 1.2

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	9.06 x 2.24 x .69 in 230 x 57 x 17.5 mm(w/ feet)
Weight	.5 lb (220-227g)
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	0.75 grms
Non-operating	1.50 grms
Option Kit Contents	HP Elite 90W Thunderbolt 3 Dock, Thunderbolt/AC power cable, 90W A/C

Technical Specifications

HP ZBook 150W Thunderbolt 3 Dock

Dimensions	9.06 x 2.24 x .69 in 230 x 57 x 17.5 mm(w/ feet)
Weight	.5 lb (220-227g)
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 grms
Non-operating	1.50 grms
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	9.06 x 2.24 x .69 in 230 x 57 x 17.5 mm(w/ feet)
Weight	.5 lbs (220-227g)
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	0.75 grms
Non-operating	1.50 grms
Option Kit Contents	HP ZBook 200W Thunderbolt 3 Dock, Thunderbolt/AC power cable, 200W A/

Technical Specifications

Compatibility

HP Ultra-light Docking Stations are compatible with HP EliteBook Notebook and Tablet PCs as follows:

Docking Station

Compatible Notebooks

HP USB Travel Dock

All HP notebooks with a powered USB-A port

HP Advanced Wireless Docking Station

HP Elite x2 1011 G1***

HP Elite USB-C Docking Station

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

HP UltraSlim Docking Station

HP EliteBook 820 G1-G4, 850 G1-G4, 840 G1-G4, 1020 G1, 1040 G1-G3

HP EliteBook 720 G1-G2, 740 G1-G2, 750 G1-G2

HP EliteBook 725 G2-G4, 745 G2-G4, 755 G2-G4

HP ProBook 640 G2-G3

HP EliteBook Folio 9480m, 9470m

HP EliteBook Revolve 810 G1, G3

HP Pro x2 612 G1

HP ZBook 14, HP ZBook 15U G3 Mobile Workstation,

HP Elite 90W Thunderbolt 3 Dock

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

HP ZBook 150W Thunderbolt 3 Dock

HP ZBook 15 G3- G4, HP ZBook Studio G3- G4, HP ZBook x2

HP ZBook 200W Thunderbolt 3 Dock

HP ZBook 17 G3-G4

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.

***The WiGig-compatible notebook or tablet must be positioned within 1.2 m (4 ft) and without obstruction in the line of sight of the wireless dock. HP Advanced Wireless Docking is compatible with the HP Elite x2 1011 G1 with an optional installed Intel Tri Band Wireless AC with WiGig Combo card available at the time of purchase.

Service and Support

HP Ultra-light Docking Stations 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
December 17, 2014	V11 to V12	Added	Added the HP Advanced Wireless Docking Station and specs to file.
January 23, 2015	V12 to V13	Updated	Computability for HP UltraSlim Docking
April 24, 2015	V13 to V14	Removed	2013 Ultra Slim Docking Station D9Y32AA
April 28, 2015	V14 to V15	Added	Ultra Slim Docking Station D9Y32AA
		Removed	HP UltraSlim Docking Station B9C87AA
September 24, 2015	V15 to V16	Added	New docking stations listed below HP Elite 45W Thunderbolt 3 Dock P5Q54AA HP ZBook 150W Thunderbolt 3 Dock P5Q58AA HP ZBook 200W Thunderbolt 3 Dock P5Q61AA
		Removed	HP 2570p Docking Station A9B77AA HP 2740 Ultra-Slim Expansion Base WA995AA
November 20, 2015	V16 to V17	Updated	Normal Operating Voltage from 19.7v to 19.5v for HP Elite 65W Thunderbolt 3 Dock HP ZBook 150W Thunderbolt 3 Dock HP ZBook 200W Thunderbolt 3 Dock
February 10, 2015	V17 to V18	Added	HP USB C Travel Dock T0K29AA HP USB Travel Dock T0K30AA Added USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum to copyright statement
February 26, 2016	V18 to v19		Updated HP USB Travel Dock T0K30AA dims
March 10, 2016	V19 to v20	Added	HP Elite USB-C Dock T3V74AA
May 12, 2016	V20 to v21	Changed	UltraSlim Docking Station rear picture
November 3, 2016	V21 to v22	Added	HP ZBook Thunderbolt 3 1m Cable; only compatible with HP ZBook 150W and 200W Thunderbolt 3 Docks. (Z4P20AA) to HP ZBook 150W Thunderbolt 3 Dock P5Q58AA & HP ZBook 200W Thunderbolt 3 Dock P5Q61AA

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