

Thunderbolt 3 Dual-4K Docking Station for Laptops - Mac and Windows - Power Delivery

Product ID: TB3DK2DPPD



This Thunderbolt™ 3 dual-monitor docking station is the first Thunderbolt docking station to fully support charging Windows PC laptops and the MacBook Pro using USB Power Delivery. With a single cable, the dock delivers up to 85W to power and charge your laptop, while powering your peripherals at the same time.

With dual-monitor support, the dock makes it easy to connect two 4K Ultra HD displays (one DisplayPort and one Thunderbolt 3 USB-C™ port), or a single Thunderbolt 3 display (60Hz). For a dual DisplayPort monitor solution right out of the box, a USB-C to DisplayPort cable (with an extended length of 6 ft./1.8 m) is included, for connecting a second DisplayPort monitor to the Thunderbolt 3 port.

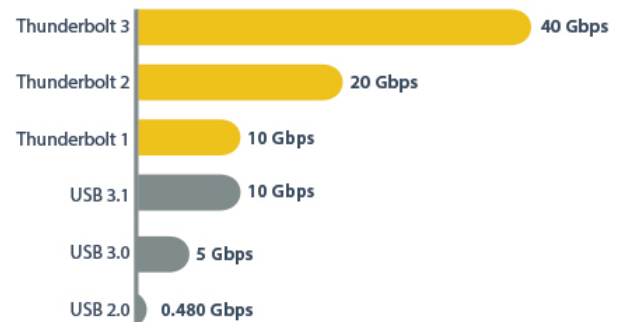


Plenty of power, with support for USB Power Delivery

This Thunderbolt 3 docking station comes with a 170W power adapter for powering and charging (up to 85W) your Windows laptop or MacBook Pro, while simultaneously powering all of the peripheral devices that are connected to the dock. This eliminates the need to use two separate power adapters for your laptop and the docking station, which minimizes the clutter around your workstation.

Finish your work faster with Thunderbolt 3

Thunderbolt 3 is the fastest connection available, and it supports multiple video channels, data, and power, without impacting system performance. With up to 40Gbps of throughput, you can add extra displays to your laptop, access files faster, and reduce waiting, so you can accomplish more in the same amount of time.



Multitask at the highest resolution

If you need a larger, higher-resolution viewing area, this dock can help. You can connect two 4K Ultra HD displays, so it's perfect for working with high-bandwidth or graphics-intensive content.

The Thunderbolt 3 dock supports two 4K (3840 x 2160p or 4096 x 2160p) monitors through the DisplayPort and Thunderbolt 3 USB-C port (a USB-C video adapter might be required depending on monitor). For dual monitors, simply connect your first DP monitor through the dock's DisplayPort, and a second monitor through the dock's extra Thunderbolt 3 port using the included USB-C to DisplayPort Adapter Cable or to a USB-C based monitor. The Thunderbolt dock will also work with legacy displays, such as VGA monitors, when coupled with a USB-C to VGA adapter or DP to VGA adapter.

With support for two 4K monitors, the Thunderbolt dock makes it easier to multitask when you're working with high-definition video or other complex work. Single 5K resolution is supported on 5K capable Thunderbolt 3 monitors through the Thunderbolt 3 USB-C port only.

Connect all of your your peripherals using only a single cable

Using the single included Thunderbolt 3 cable and a single port on your laptop, you can transform your macOS Sierra (or later) or Windows® 7 (or later) laptop into a full-size workstation with access to new and legacy technologies through a number of different port types. The dock is ideal for virtually all Thunderbolt 3 equipped laptops such as the Dell™ XPS 13, Dell XPS 15, and the Apple MacBook Pro 13 and 15.

The Thunderbolt 3 docking station features two Thunderbolt 3 USB-C ports for connecting to Thunderbolt devices and other peripherals that use the USB-C connector, as well as DisplayPort video output.



Convenient connections prepare you for the future

You can keep your mobile device charged and ready to go using the dock's always-on USB fast-charge and sync port, which supports USB Battery Charging Specification 1.2. The Thunderbolt 3 dock offers a variety of other connections that are often missing from port-limited laptops, such as an extra USB-C port (5Gbps - data only) and a Gigabit Ethernet port.

With three USB 3.0 ports in total, you have plenty of ports to connect modern and legacy devices. (USB 3.0 is also known as USB 3.1 Gen 1.) Now, you can rest assured knowing you're ready for the current and next generation of universal connectivity.

The rear-panel DP and USB-C ports can be used with dual monitors that support lower resolutions, such as 4K at 30Hz or 1080p. StarTech.com offers a variety of USB-C video adapters, such as [USB-C to HDMI](#) and [USB-C to VGA](#), which lets you connect a mixture of modern and legacy displays to the docking station.

Maximum Supported Resolutions*

Video Output Configuration	Max DisplayPort Resolution	Max Thunderbolt 3 USB-C Resolution
DisplayPort and Thunderbolt 3 USB-C (Two Displays - Dual-4K)	3840 x 2160p or 4096 x 2160p (4K)	3840x 2160p or 4096 x 2160p (4K)
DisplayPort (Single Display - 4K)	3840 x 2160p or 4096 x 2160p (4K)	N/A
Thunderbolt 3 USB-C (Single Display through DP ALT mode - 4K)	N/A	3840x 2160p or 4096 x 2160p (4K - 60Hz)
Thunderbolt 3 USB-C Daisy Chain	N/A	Dependent on the number of Thunderbolt 3 displays

**Lower resolutions are also supported.*

**When connecting a display to one of the Thunderbolt 3 USB-C ports, a USB-C video adapter may be required depending on the input of your display.*

Certain monitors may be limited to 4K at 30Hz when connecting through DisplayPort. These monitors include the following models: Dell P2715Q, Viewsonic VX2475Smhl-4K, Philips 288P6LJEB, LG 31MU97C-B, Asus PB287Q (these models will need to be set to 4K at 30Hz).

The TB3DK2DPPD features a rugged aluminum casing and is backed by a StarTech.com 3-year warranty and free lifetime technical support.



Your computer's Thunderbolt 3 ports might not function properly until you update one or more of the following on your computer:

- BIOS
- Thunderbolt firmware
- Thunderbolt 3 controller drivers
- Thunderbolt 3 software

The required updates will vary depending on your computer.

For an up-to-date list of affected computers and instructions, visit <http://thunderbolttechnology.net/updates>. If your computer's manufacturer isn't listed on the Thunderbolt website, contact your manufacturer.

Certifications, Reports and Compatibility



Applications

- The perfect docking station for the MacBook Pro, with support for macOS Sierra (or later) and Power Delivery
- A vital accessory for any Windows-based Thunderbolt 3 equipped laptop or MacBook Pro
- Ideal for creative professionals and those who work with high-resolution, high-bandwidth, and graphically intensive images, video, CAD drawings, and medical imagery
- Recommended for video producers, graphic and web designers, engineers, architects, and more
- Access and edit large, uncompressed files such as videos and images on the fly, for dynamic on-site production
- Transfer a 4K movie in under 30 seconds, or 3 hours of 4K GoPro® video in less than a minute
- Edit 4K video on one display, with a full-size video preview on the second 4K display
- Dock and undock quickly, with a single cable for data, power, and external displays

Features

- Supports USB Power Delivery 2.0 and includes a 170W power adapter to power and charge (up to 85W) your MacBook Pro or Windows-based laptop, and power your peripheral devices
- Improve your workflow with single-cable docking and up to 40Gbps bandwidth — twice the speed of Thunderbolt 2 (20Gbps) and eight times faster than USB 3.0 (5Gbps)
- Supports dual-4K monitors, with 3840 x 2160p or 4096 x 2160p on each display
- Connects to your laptop's Thunderbolt 3 USB-C port, so you can access multiple displays and peripherals
- Thunderbolt Certified and includes a Thunderbolt 3 host cable (0.5 m)
- Includes USB-C to DisplayPort cable (with extended length of 6 ft. /1.8 m) to easily connect a second DisplayPort monitor from the Thunderbolt 3 port
- Provides three USB 3.0 ports (USB-C, 2x USB-A), two Thunderbolt 3 USB-C ports, 3.5 mm audio out, 3.5 mm microphone in, and Gigabit Ethernet
- Fast charge your phone or tablet with the always-on USB 3.0 fast-charge and sync port
- Works with macOS Sierra (or later), as well as Windows 7 (or later)

Hardware	Warranty	3 Years
	4K Support	Yes
	Bus Type	Thunderbolt 3
	Chipset ID	Intel - Alpine Ridge DSL6540 Fresco Logic - FL1100EX Texas Instruments - PCM2912A Intel - WGI210AT
	Displays Supported	2
	Fast-Charge Port(s)	Yes
	Industry Standards	Thunderbolt 3 USB Battery Charging Specification Rev. 1.2 IEEE 802.3, IEEE 802.3u, IEEE 802.3ab USB 3.0 - Backward compatible with USB 2.0 and 1.1
	Performance	
Auto MDIX	Yes	
Compatible Networks	10/100/1000 Mbps	
Full Duplex Support	Yes	
Maximum Data Transfer Rate	40 Gbps (Thunderbolt 3) 10 Gbps (USB 3.1 Gen 2) 5 Gbps (USB 3.0) 2 Gbps (Ethernet; Full-Duplex)	
Maximum Digital Resolutions	Single display - DisplayPort - 4096 x 2160p / 3840 x 2160p Single Display - Thunderbolt 3 USB-C - 4096 x 2160p / 3840 x 2160p Dual displays - DisplayPort 4096 x 2160p / 3840 x 2160p and Thunderbolt 3 USB-C - 4096 x 2160p / 3840 x 2160p	
Type and Rate	Thunderbolt 3 - 40 Gbit/s	
UASP Support	Yes	
Connector(s)		
Connector Type(s)	2 - Thunderbolt™ 3 USB-C (24-pin) Female 1 - DisplayPort (20 pin) Female 1 - USB Type-C (24 pin) USB 3.0 Female 1 - USB 3.0 A (Fast-Charge, 9 pin, SuperSpeed) Female 1 - USB Type-A (9 pin) USB 3.0 Female 2 - 3.5 mm Mini-Jack (3 Position) Female 1 - RJ-45 Female	
Software		
OS Compatibility	Windows® 10 (32-bit or 64-bit), 8 / 8.1 (32-bit or 64-bit), 7 (32-bit or 64-bit) macOS 10.12 (Sierra)	

Special Notes / Requirements	Note	<p>A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K).</p> <p>Certain monitors may be limited to 4K at 30Hz when connecting through DisplayPort. These monitors include the following models: Dell P2715Q, Viewsonic VX2475Smhl-4K, Philips 288P6LJEB, LG 31MU97C-B, Asus PB287Q (these models will need to be set to 4K at 30Hz).</p> <p>When connecting a display to one of the Thunderbolt 3 USB-C ports, a USB-C video adapter might be required depending on the input of your display.</p> <p>USB 3.0 is also known as USB 3.1 Gen 1; this connectivity standard offers speeds up to 5Gbps. USB 3.1 Gen 2 offers speeds up to 10Gbps.</p> <p>System and Cable Requirements</p> <p>Thunderbolt 3 equipped computer with a Thunderbolt 3 port.</p> <p>Your laptop's Thunderbolt 3 port must support USB Power Delivery 2.0 in order to power and charge your laptop.</p>
Power	<p>Input Current</p> <p>Input Voltage</p> <p>Output Current</p> <p>Output Voltage</p> <p>Power Consumption (In Watts)</p> <p>Power Source</p>	<p>2.5 A</p> <p>100 ~ 240 AC</p> <p>8.5 A</p> <p>20V DC</p> <p>170</p> <p>AC Adapter Included</p>
Environmental	<p>Humidity</p> <p>Operating Temperature</p> <p>Storage Temperature</p>	<p>5~95% RH (Non-condensing)</p> <p>5°C to 40°C (41°F to 104°F)</p> <p>-40°C to 70°C (-40°F to 158°F)</p>
Physical Characteristics	<p>Cable Length</p> <p>Color</p> <p>Enclosure Type</p> <p>Product Height</p> <p>Product Length</p> <p>Product Weight</p> <p>Product Width</p>	<p>20.5 in [520 mm]</p> <p>Gray and Black</p> <p>Aluminum and Plastic</p> <p>1.1 in [27 mm]</p> <p>8.7 in [220 mm]</p> <p>15.6 oz [442 g]</p> <p>3.1 in [80 mm]</p>
Packaging Information	<p>Shipping (Package) Weight</p>	<p>41.4 oz [1172 g]</p>
What's in the Box	<p>Included in Package</p>	<p>1 - docking station</p>

- 1 - Thunderbolt 3 cable
- 1 - USB-C to DP cable
- 1 - universal power adapter
- 2 - power cords (NA/JP, ANZ)
- 1 - instruction manual

Product appearance and specifications are subject to change without notice.