

# Thunderbolt 3 Dual-4K Docking Station for Laptops - Mac and Windows - Power Delivery - 5K Support

Product ID: TB3DK2DPPDUE



This Thunderbolt™ 3 dock is one of the first Thunderbolt docking stations to fully support USB Power Delivery. This means the dock delivers up to 85W of power to your Thunderbolt 3 equipped MacBook Pro or laptop. Now, using a single cable you can power and charge your laptop and connect your peripherals at the same time.

Plus, the dock supports dual monitors, so you can easily connect two 4K Ultra HD 60Hz displays (one DisplayPort and one Thunderbolt 3 USB-C™ port), or a single 5K 60Hz display.

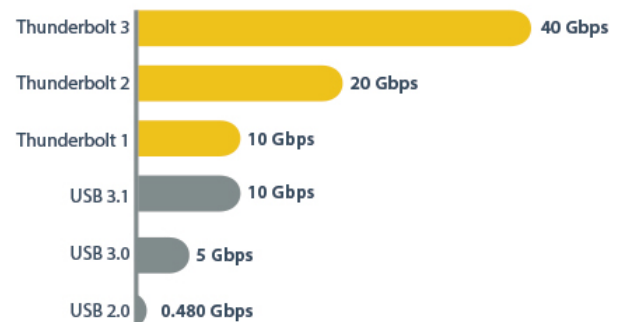


### Plenty of power, with support for USB Power Delivery

This Thunderbolt dock delivers up to 85W of power upstream to your laptop, so you don't need to use two separate power adapters for your laptop and the docking station. You can use the dock's power adapter to simultaneously power both your laptop and the dock and to minimize the clutter around your laptop 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 anyone working with high-bandwidth or graphics-intensive content.

The Thunderbolt 3 dock supports two 4K (3840 x 2160p) monitors at 60Hz through the DisplayPort and Thunderbolt 3 USB-C port (USB-C video adapter might be required). For dual monitors, simply connect your DP monitor, and a second monitor through the dock's extra Thunderbolt 3 port using an adapter such as the [USB-C to DisplayPort Adapter Cable](#) (CDP2DPMM1MB - sold separately) or using 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.

With support for two 4K monitors, the dock makes it easier to multitask when you're working with high-definition video or other complex work.

Plus, for advanced 5K resolution requirements, this dock supports a single 5K display when you connect your monitor to one of the Thunderbolt 3 USB-C ports, delivering 5120 x 2880p resolutions at 60Hz.

### Connect your peripherals using only a single cable

Using the single Thunderbolt 3 cable (included) 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, and the Apple MacBook Pro (2016).

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 convenient, 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 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 )	<b>3840 x 2160p (4K - 60Hz)</b>	<b>3840x 2160p (4K - 60Hz)</b>
DisplayPort (Single Display - 4K)	3840 x 2160p (4K - 60Hz)	N/A
Thunderbolt 3 USB-C (Single Display - 5K)	N/A	5120 x 2880p (5K - 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.*

The TB3DK2DPPDUE 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 your Thunderbolt 3 equipped laptop
- 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, providing up to 85 watts of power to your laptop
- 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)
- Connect dual-4K monitors, with 3840 x 2160p (60Hz) resolution on each display, or a single 5K (5120 x 2880p - 60Hz) display (one DisplayPort and one Thunderbolt 3 USB-C port)
- 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 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)

<b>Hardware</b>	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
	<b>Performance</b>	
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 (60Hz) / 3840 x 2160p (60Hz) Single display - Thunderbolt 3 USB-C - 5120p x 2880p (60Hz) Dual displays - DisplayPort and Thunderbolt 3 USB-C - 4096 x 2160p (60Hz) / 3840 x 2160p (60Hz) and 4096 x 2160p (60Hz) / 3840 x 2160p (60Hz)	
Type and Rate	Thunderbolt 3 - 40 Gbit/s	
UASP Support	Yes	
<b>Connector(s)</b>		
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	

<b>Software</b>	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)
<b>Special Notes / Requirements</b>	<b>Note</b>	A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K).  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.  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.
	System and Cable Requirements	Thunderbolt 3 equipped computer with a Thunderbolt 3 port.  Your laptop's Thunderbolt 3 port must support USB Power Delivery 2.0 in order to power and charge your laptop.
<b>Power</b>	Power Source	AC Adapter Included
<b>Environmental</b>	Humidity	5~95% RH (Non-condensing)
	Operating Temperature	5°C to 40°C (41°F to 104°F)
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)
<b>Physical Characteristics</b>	Cable Length	520 mm [20.5 in]
	Color	Gray and Black
	Enclosure Type	Aluminum and Plastic
	Product Height	27 mm [1.1 in]
	Product Length	220 mm [8.7 in]
	Product Weight	442 g [15.6 oz]
	Product Width	80 mm [3.1 in]
<b>Packaging Information</b>	Shipping (Package) Weight	1172 g [41.4 oz]
<b>What's in the Box</b>	Included in Package	1 - Thunderbolt 3 docking station  1 - Thunderbolt 3 cable  1 - universal power adapter  2 - power cords (EU, UK)  1 - instruction manual

Product appearance and specifications are subject to change without notice.