Thunderbolt 3 Dual-4K Docking Station for Laptops - Windows Only

Product ID: TB3DK2DPW

This Thunderbolt™ 3 dock is the first docking station to use revolutionary Thunderbolt 3 technology. Plus, it's the first dock available that supports two 4K Ultra HD displays.
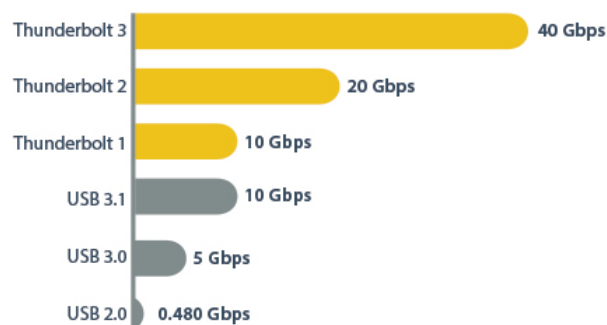
The high-quality dock merges performance with simplicity, to create a single-cable solution that caters to creative professionals such as video producers, graphic and web designers, engineers, architects, and many more.

Finish your work faster with Thunderbolt 3

You can quickly integrate the dock into your workspace and boost your productivity. 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.

It's the fastest connection available, and it supports multiple video channels and data, without impacting system performance. It's easy to access and edit large uncompressed files such as videos and images on the fly, making it ideal for dynamic on-site production.

Thunderbolt 3	40 Gbps
Thunderbolt 2	20 Gbps
Thunderbolt 1	10 Gbps
USB 3.1	10 Gbps
USB 3.0	5 Gbps
USB 2.0	0.480 Gbps

Multitask at the highest resolution

If you need a larger, higher-resolution viewing area, this dock can help. It's one of the first docking stations to support two 4K Ultra HD displays, so it's perfect for anyone working with high-bandwidth or graphics-intensive multimedia. And, unlike most traditional docking stations, the Thunderbolt 3 dock supports 4K resolutions (3840 x 2160p or 4096 x 2160p) at up to 60Hz when you use a single Thunderbolt 3 display. With a faster 60Hz refresh rate, your 4K content is delivered in stunning detail, even when you're running resource-demanding applications.

You can extend your desktop onto two 4K monitors and stream independent content to each display. This makes it easier to multitask when you're working with high-definition video, CAD drawings, medical imagery, or other complex work. Creative professionals can be more productive with the freedom to edit 4K video on one display, with a full-size video preview on the second 4K display.

Connect your peripherals with just a single cable

Using a single cable and a single port on your laptop, you can transform your Windows 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 Windows based Thunderbolt 3 equipped laptops such as the Dell™ Precision, Dell XPS, Asus Zenbook Pro Ux501vw, HP Zbook 15 G3, and Lenovo P50.

The dock 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. For dual 4K video capability, you can use a 4K capable video adapter to connect a second 4K display to one of the dock's Thunderbolt 3 USB-C peripheral ports.

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 (compliant with USB Battery Charging Specification 1.2). Plus, it 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 total USB 3.0 ports, 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 port can be used with dual monitors that support lower resolutions, such as 4K 30Hz or 1080p. Now you can connect dual monitors using new and legacy displays. StarTech.com offers a variety of USB-C video adapters, such as HDMI and VGA.

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 - 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.

DisplayPort connectivity may be limited to 4K at 30Hz depending on monitor used (see technical specifications for more detail)

The TB3DK2DPW features a rugged aluminum casing, and is backed by a StarTech.com 3-year warranty and free lifetime technical support.

Note: This docking station will not charge your host laptop

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 manufacturer isn't listed on the Thunderbolt website, contact your manufacturer.

Certifications, Reports and Compatibility

RoHS Compliant
Available

CE

FC

Applications

- Ideal for creative professionals working 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 and external displays

Features

- Improve your workflow with single-cable docking and up to 40Gbps bandwidth
- 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
- Fast charge your phone or tablet with the always-on USB 3.0 fast-charge and sync port
- Includes three USB 3.0 ports (USB-C, 2x USB-A), two Thunderbolt 3 USB-C ports, 3.5mm audio out, 3.5mm microphone in, and GbE
- Thunderbolt Certified and includes a Thunderbolt 3 host cable (0.5 m)
- This docking station will not charge your host laptop

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)

Special Notes / Requirements	Note	This docking station will not charge your host laptop.
		A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K).
		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).
		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.
		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.
		The DisplayPort output port on this dock does not support MST.
	System and Cable Requirements	Thunderbolt 3 equipped computer with a Thunderbolt 3 port - Windows only.
		The docking station does not support Mac or Linux operating systems.
Power	Center Tip Polarity	Positive
	Input Current	1.5 A
	Input Voltage	100 ~ 240 AC
	Output Current	6 A
	Output Voltage	12 DC
	Plug Type	N
	Power Consumption (In Watts)	72
	Power Source	AC Adapter Included
Environmental	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)
Physical Characteristics	Cable Length	20.5 in [520 mm]
	Color	Gray and Black
	Enclosure Type	Aluminum and Plastic
	Product Height	1.1 in [27 mm]

	Product Length	8.7 in [220 mm]
	Product Weight	15.6 oz [442 g]
	Product Width	3.1 in [80 mm]
Packaging Information	Shipping (Package) Weight	2.6 lb [1.2 kg]
What's in the Box	Included in Package	1 - Thunderbolt™ 3 dual-4K docking station for laptops
		1 - Thunderbolt 3 cable - 40Gbps - 0.5m
		1 - universal power adapter
		1 - power cord (NA)
		1 - instruction manual

Product appearance and specifications are subject to change without notice.