

## Thunderbolt 3 Dual-4K Docking Station for Laptops - 5K Support - Windows Only

StarTech ID: TB3DK2DPWUE



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 60Hz displays, or a single 5K 60Hz display.



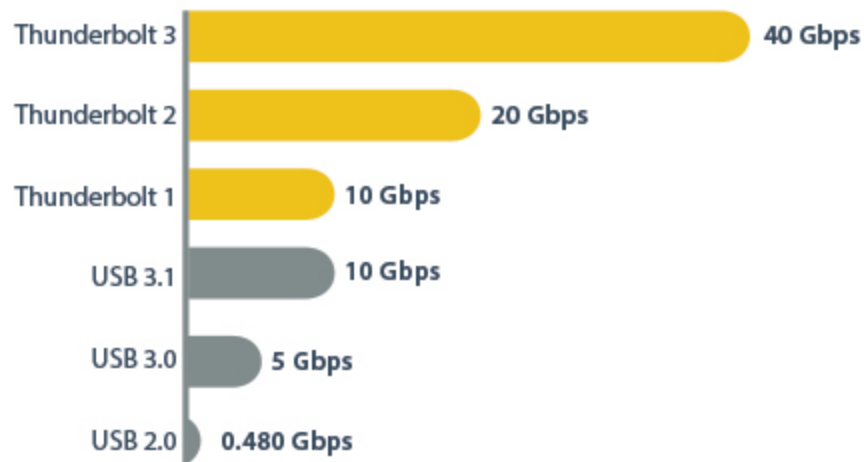
The high-quality dock merges performance with simplicity, to create a single-cable solution that caters to creative professionals such as video producers, graphic and web designers, engineers, architects, and many more.

### 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, data, and power, 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.



## 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 (3840 x 2160p) resolutions at 60Hz. With a faster 60Hz refresh rate, your 4K content is delivered in stunning detail and with less lag than 30Hz alternatives, 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.

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

## 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, and Dell XPS.



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 60Hz capable video adapter to connect a second 4K 60Hz 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<br>(Two Displays - Dual-4K ) | 3840 x 2160p<br>(4K - 60Hz) | 3840 x 2160p<br>(4K - 60Hz)        |

|  |                             |  |
|--|-----------------------------|--|
| DisplayPort<br>(Single Display - 4K)         | 3840 x 2160p<br>(4K - 60Hz) | N/A  |
| Thunderbolt 3 USB-C<br>(Single Display - 5K) | N/A                         | 5120 x 2880p<br>(5K - 60Hz)                          |
| Thunderbolt 3 USB-C Daisy Chain              | N/A                         | Dependent on the number of<br>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 TB3DK2DPWUE features a rugged aluminum casing, and is backed by a StarTech.com 2-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 manufacturer isn't listed on the Thunderbolt website, contact your manufacturer.*

## 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 (60Hz) resolution on each display, or a single 5K (5120 x 2880p - 60Hz) 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
- Dock provides a trickle charge (15-watts) to your connected host laptop
- Thunderbolt Certified and includes a Thunderbolt 3 host cable (0.5 m)

**Technical Specifications**

|                             |   |
|-----------------------------|---|
| Warranty                    | 2 Years   |
| 4K Support                  | Yes   |
| Bus Type                    | Thunderbolt 3   |
| Chipset ID                  | Intel - Alpine Ridge DSL6540 (Thunderbolt 3)<br>Texas Instruments - TPS65982ABZQZR (Power Delivery)<br>Texas Instruments - HD3SS2522 (CC Logic)<br>Parade - PS181 (Video)<br>Fresco Logic - FL1100-EX (USB 3.0)<br>Texas Instruments - TPS2546RTE (USB Charge)<br>Texas Instruments - PCM2912APJT (Audio)<br>Intel - WGI210AT (LAN) |
| Displays Supported          | 2   |
| Fast-Charge Port(s)         | Yes   |
| Industry Standards          | Thunderbolt 3<br>USB Battery Charging Specification Rev. 1.2<br>IEEE 802.3, IEEE 802.3u, IEEE 802.3ab<br>USB 3.0 - Backward compatible with USB 2.0 and 1.1   |
| Auto MDIX                   | Yes   |
| Compatible Networks         | 10/100/1000 Mbps  |
| Full Duplex Support         | Yes   |
| Maximum Data Transfer Rate  | 40 Gbps (Thunderbolt 3)<br>10 Gbps (USB 3.1 Gen 2)<br>5 Gbps (USB 3.0)<br>2 Gbps (Ethernet; Full-Duplex)  |
| Maximum Digital Resolutions | Single display - DisplayPort - 4096 x 2160p (60Hz) / 3840 x 2160p (60Hz)<br>Single display - Thunderbolt 3 USB-C - 5120p x 2880p (60Hz)<br>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   |
| Connector Type(s)           | 2 - Thunderbolt™ 3 USB-C (24-pin) Female  |
| Connector Type(s)           | 1 - DisplayPort (20 pin) Female   |
| Connector Type(s)           | 1 - USB Type-C (24 pin) USB 3.0 Female  |
| Connector Type(s)           | 1 - USB 3.0 A (Fast-Charge, 9 pin, SuperSpeed) Female   |
| Connector Type(s)           | 1 - USB Type-A (9 pin) USB 3.0 Female   |

|                               |  |
|-------------------------------|--|
| Connector Type(s)             | 2 - 3.5 mm Mini-Jack (3 Position) Female   |
| Connector Type(s)             | 1 - RJ-45 Female   |
| OS Compatibility              | Windows® 10 (32-bit or 64-bit), 8 / 8.1 (32-bit or 64-bit), 7 (32-bit or 64-bit)   |
| <b>Note</b>                   | A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K)   |
| <b>Note</b>                   | 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. |
| <b>Note</b>                   | 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 - Windows only   |
| System and Cable Requirements | Docking station does not support Mac   |
| LED Indicators                | 1 - Power (Blue)   |
| 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             | 72 W Max   |
| Power Source                  | AC Adapter Included  |
| 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)   |
| Color                         | Gray and Black   |
| Enclosure Type                | Aluminum and Plastic   |
| Product Height                | 26 mm [1 in]   |
| Product Length                | 220 mm [8.7 in]  |
| Product Weight                | 500 g [17.6 oz]  |
| Product Width                 | 80 mm [3.1 in]   |
| Shipping (Package) Weight     | 1360 g [48 oz]   |
| Included in Package           | 1 - Thunderbolt™ 3 dual-4K docking station for laptops   |

|                     |   |
|---------------------|---|
| Included in Package | 1 - Thunderbolt 3 cable - 40Gbps - 0.5m |
| Included in Package | 1 - universal power adapter             |
| Included in Package | 2 - power cords (EU/UK)                 |
| Included in Package | 1 - instruction manual                  |

### Certifications, Reports and Compatibility

