

## Thunderbolt 2 Dual-Monitor Docking Station for Laptops - 2x DisplayPort - Includes TB Cable

**Product ID:** TB2DOCK4K2DP



This Thunderbolt 2 docking station for laptops is one of the first Thunderbolt 2 docks to support dual DisplayPort video output. With 20Gbps data throughput, it lets you connect up to 12 devices to your MacBook or laptop, without sacrificing system performance.

Plus, it offers ports that are often missing on other laptop docks, such as eSATA and S/PDIF 5.1 digital optical audio.

This specialty laptop dock is a must-have accessory for a variety of environments, including home and office workstations, design studios, and on-site production applications.

This Thunderbolt 2 dock lets you connect two displays to your laptop using common DisplayPort monitors. Traditional Thunderbolt docks require that at least one of your monitors is a Thunderbolt display for dual video, which means you might need to spend extra time and money on the additional display. Because it offers two DisplayPort connections, the dock makes it easy to create a highly productive dual-video workstation, with no additional costs or inconveniences.

With dual displays, you have more screen space to manage several programs at once. You can work more efficiently by avoiding the nuisance of rearranging windows, or flipping back and forth between pages.

If you're looking to add a 4K Ultra HD display to your laptop, then this dock can help. The dock delivers vivid 4K (3840 x 2160p - 30Hz) image quality to a single DisplayPort or Thunderbolt monitor. And, because it supports DP++ you can connect a 4K HDMI display using a DisplayPort to HDMI Adapter (SKU: DP2HD4KADAP - sold separately). It's perfect for web and graphic designers, animators, or anyone who works with high-resolution videos and images.

Plus, you can connect a Thunderbolt display and a DisplayPort monitor while maintaining 4K resolution on the DP display. You can also connect multiple displays via a Thunderbolt daisy chain, giving you multiple options for expanding your viewing capabilities.

The Thunderbolt 2 docking station smashes connection limitations. It provides several peripheral ports, including the hard-to-find connections that are missing from most laptops and docking stations. Ports such as a built-in eSATA port and S/PDIF 5.1 digital optical audio output set this dock apart, making it easy to enhance or harness the storage and audio capabilities of your MacBook or laptop.

The dock also features an always-on USB fast-charge port, so you can quickly charge your smartphone or tablet even when your laptop is disconnected. And because it offers 20Gbps data throughput, the Thunderbolt 2 dual-video docking station lets you connect and use your peripherals at higher speeds. With faster device access you can save time and get work done more quickly.

The TB2DOCK4K2DP is backed by a StarTech.com 3-year warranty and free lifetime technical support.

#### Maximum Supported Resolutions\*

\*Lower resolutions are also supported. For example, if the max is 3840 x 2160p (4K), it also supports 2560 x 1600p and 2560 x 1440p.

\*The docking station does not support three displays unless connected using a Thunderbolt daisy chain.

## Certifications, Reports and Compatibility

### Applications

- Integrate your laptop into high-end audio environments such as audio engineering studios and sound booths, with 5.1 SPDIF digital optical audio output and line input
- Expand the display capabilities of your laptop or MacBook across two DisplayPort monitors, for greater productivity
- Recommended for producers, graphic and web designers, engineers, architects, and more
- Ideal for creative professionals working with uncompressed, high-bandwidth and graphically intensive images, video, and CAD drawings
- Accessorize your Thunderbolt 2 enabled MacBook Pro, MacBook Air, laptop, or Ultrabook

### Features

- Get your work done faster, with dual-video support through two DisplayPort connections — 2560 x 1600p max resolution on each display
- Connect a single 4K (3840 x 2160p) monitor, or a DisplayPort and a Thunderbolt display with 4K resolution on the DisplayPort monitor
- 20Gbps throughput lets you connect up to 12 peripherals, including 5.1 digital optical audio and eSATA devices
- Charge mobile devices faster, even without a laptop connection, with a side-panel USB 3.0 fast-charge and sync port
- Four USB 3.0 ports, including one always-on fast-charge port (USB Battery Charging Specification 1.2 compliant) and three standard ports
- Supports S/PDIF 5.1 digital optical audio output, line input, 3.5mm 4-position TRRS headset port (audio/microphone), in both Windows and Mac operating systems

- eSATA port for high-speed external storage devices
- Sleek and stylish, with a silver, sandblasted finish that matches your Apple MacBook
- Durable, aluminum housing offers reliable performance
- Gigabit Ethernet RJ45 port with Wake-on-LAN (WOL) support
- Supports DisplayPort 1.2
- Supports Thunderbolt daisy chaining
- Includes 1m Thunderbolt cable

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## Hardware

Warranty	3 Years
4K Support	Yes
Fast-Charge Port(s)	Yes
Displays Supported	2
Bus Type	Thunderbolt 2
Industry Standards	Thunderbolt 2 - Backward compatible with Thunderbolt 1 USB Battery Charging Specification Rev. 1.2 IEEE 802.3, IEEE 802.3u, IEEE 802.3ab USB 3.0 - Backward compatible with USB 2.0/1.1
Chipset ID	Intel - Falcon Ridge DSL5520 Fresco - FL1100EX ASMedia - ASM1042A ASMedia - ASM1061 C-Media - CM6500 Texas Instruments - PCM2912A Intel - WGI210AT

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## Performance

Maximum Data Transfer Rate	20 Gbps (Thunderbolt 2) 5 Gbps (USB 3.0) 6 Gbps (eSATA)
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	2 Gbps (Ethernet; Full-Duplex)
Maximum Digital Resolutions	<p>&lt;strong&gt;Single Display: &lt;/strong&gt;</p> <p>DisplayPort or Thunderbolt (mDP) only: 3840 x 2160 @60Hz &lt;br/&gt;&lt;br/&gt;&lt;strong&gt;Dual Display: &lt;/strong&gt;&lt;br/&gt; DisplayPort + DisplayPort: 2560 x 1600 + 2560 x 1600 &lt;br/&gt;DisplayPort + Thunderbolt: 3840 x 2160 + 3440 x 1440 (tested up to) &lt;br / &gt;</p> <p>Lower resolutions are also supported. For example, if the max is 3840 x 2160p (4K), it also supports 2560 x 1600p and 2560 x 1440p.</p>
Type and Rate	Thunderbolt 2 - 20 Gbit/s
UASP Support	Yes
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes

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**Connector(s)**

Connector Type(s)	<p>Thunderbolt 2 (20 pin)</p> <p>DisplayPort (20 pin)</p> <p>USB 3.0 A (Fast-Charge, 9 pin)</p> <p>USB Type-A (9 pin) USB 3.0 (5 Gbps)</p> <p>eSATA (7 pin, Data)</p> <p>Toslink (SPDIF, Optical)</p> <p>3.5 mm Mini-Jack (4 Position)</p> <p>3.5 mm Mini-Jack (3 Position)</p> <p>RJ-45</p>
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**Software**

OS Compatibility	<p>Windows 7, 8, 8.1, 10</p> <p>macOS 10.12 - 10.13</p>
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**Special Notes / Requirements**

System and Cable Requirements	Thunderbolt 2 enabled computer with a Thunderbolt 2 port
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Note	<p>Dual-display configuration is available when connected to two DisplayPort monitors, or a DisplayPort and a Thunderbolt monitor. Your laptop hardware must support dual-external displays through its Thunderbolt 2 port</p> <p>A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K)</p> <p>If connected to a Thunderbolt 1 host port, performance may be limited</p> <p>USB 3.0 is also known as USB 3.1 Gen 1; this connectivity standard offers speeds up to 5Gbps</p>
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### Indicators

LED Indicators	<p>Link (Green)</p> <p>Activity (Yellow)</p>
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### Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	2 A
Output Voltage	12V DC
Output Current	6 A
Center Tip Polarity	Positive
Plug Type	N
Power Consumption (In Watts)	72

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### Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	5~90% RH (Non-condensing)

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### Physical Characteristics

Color	Silver
Material	Aluminum and Plastic
Product Length	10.6 in [27 cm]



Product Width	3.4 in [87 mm]
Product Height	1.1 in [27 mm]
Weight of Product	19.1 oz [541 g]

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**Packaging Information**

Package Length	13.8 in [35.1 cm]
Package Width	5.7 in [14.5 cm]
Package Height	3.8 in [97 mm]
Shipping (Package) Weight	4.0 lb [1.8 kg]

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**What's in the Box**

Included in Package	Thunderbolt 2 dual-video docking station
	3.3 ft [1016 mm] Thunderbolt cable
	universal power adapter
	power cords (NA/JP, EU, UK, ANZ)
	instruction manual

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***\*Product appearance and specifications are subject to change without notice.***

