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

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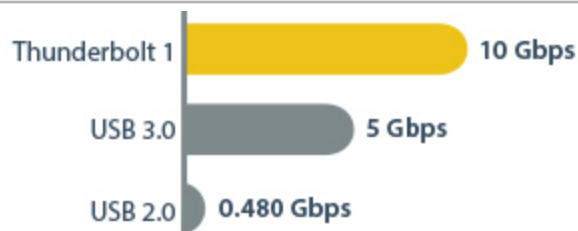
Plus, it offers ports that are often missing on other laptop docks, such as eSATA and S/PDIF 5.1 digital optical audio.

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.

Thunderbolt 2 | 20 Gbps

Thunderbolt 1	10 Gbps
USB 3.0	5 Gbps
USB 2.0	0.480 Gbps

Work more efficiently using two DisplayPort monitors

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.

Improve your viewing experience with 4K Ultra HD

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.

Access 12 peripherals at once, including digital optical audio and eSATA devices

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 2-year warranty and free lifetime technical support.

Maximum Supported Resolutions*

Video Output Configuration	Max DisplayPort Resolution (Video 1)	Max DisplayPort Resolution (Video 2)	Max Thunderbolt Resolution
DisplayPort 1 (Single Display)	3840 x 2160p (4K)	N/A	N/A
DisplayPort 2 (Single Display)	N/A	3840 x 2160p (4K)	N/A
Thunderbolt (Single Display)	N/A	N/A	3840 x 2160p (4K)
DisplayPort 1 and DisplayPort2 (Two Displays)	2560 x 1600p	2560 x 1600p	N/A
DisplayPort and Thunderbolt (Two Displays)	3840 x 2160p (4K)	N/A	3440 x 1440p (tested up to)
Thunderbolt Daisy Chain (Tested up to two displays)	N/A	N/A	3840 x 2160p (4K) + 2560 x 1440p (tested up to)

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.

View more Thunderbolt Products

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

Technical Specifications

Warranty	2 Years
4K Support	Yes
Bus Type	Thunderbolt 2
Chipset ID	Intel - Falcon Ridge DSL5520 (Thunderbolt) Fresco Logic - FL1100EX (USB 3.0 w/ Charge) ASMedia - ASM1061 (eSATA) CMedia - CM6500 (Digital Audio) Texas Instruments - PCM2912A (Audio) Intel - WGI210AT (LAN)
Fast-Charge Port(s)	Yes
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
Auto MDIX	Yes
Compatible Networks	10/100/1000 Mbps
Full Duplex Support	Yes
Maximum Data Transfer Rate	20 Gbps (Thunderbolt 2) 5 Gbps (USB 3.0) 6 Gbps (eSATA) 2 Gbps (Ethernet; Full-Duplex)
Maximum Digital Resolutions	**Single Display:** DisplayPort or Thunderbolt (mDP) only: 3840 x 2160 **Dual Display:** DisplayPort + DisplayPort: 2560 x 1600 + 2560 x 1600 DisplayPort + Thunderbolt: 3840 x 2160 + 3440 x 1440 (tested up to) 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.
Type and Rate	Thunderbolt 2 - 20 Gbit/s
UASP Support	Yes
Connector	2 - Thunderbolt™ 2 (20 pin) Female

Connector Type(s)	2 - DisplayPort (20 pin) Female
Connector Type(s)	1 - USB 3.0 A (Fast-Charge; 9 pin; SuperSpeed) Female
Connector Type(s)	1 - Toslink (SPDIF; Optical) Female
Connector Type(s)	3 - USB 3.0 A (9 pin; SuperSpeed) Female
Connector Type(s)	1 - 3.5 mm Mini-Jack (4 Position) Female
Connector Type(s)	1 - eSATA (7 pin; Data) Female
Connector Type(s)	1 - 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) Mac OS® 10.9 and later (tested up to 10.11)
Note	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
Note	A 4K-capable display is required to achieve 4K x 2K resolution (4K is also known as 4K x 2K)
Note	If connected to a Thunderbolt 1 host port, performance may be limited
Note	USB 3.0 is also known as USB 3.1 Gen 1; this connectivity standard offers speeds up to 5Gbps
System and Cable Requirements	Thunderbolt 2 enabled computer with a Thunderbolt 2 port
LED Indicators	1 - Link (Green)
LED Indicators	1 - Activity (Yellow)
Center Tip Polarity	Positive
Input Current	2 A
Input Voltage	100 ~ 240 AC
Output Current	6 A
Output	12 DC

Voltage	
Plug Type	N
Power Consumption	72 W Max
Power Source	AC Adapter Included
Humidity	5~90% RH (Non-condensing)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Color	Silver
Enclosure Type	Aluminum and Plastic
Product Height	1.1 in [27 mm]
Product Length	10.6 in [270 mm]
Product Weight	19.1 oz [541 g]
Product Width	3.4 in [87 mm]
Shipping (Package) Weight	4 lb [1.8 kg]
Included in Package	1 - Thunderbolt 2 dual-video docking station
Included in Package	1 - Thunderbolt cable
Included in Package	1 - universal power adapter
Included in Package	4 - power cords (NA/EU/UK/AU)
Included in Package	1 - instruction manual

StarTech.com
Hard-to-find made easy®

Certifications, Reports and Compatibility

RoHS Compliant
Available