

## Thunderbolt 2 4K Docking Station for Laptops - Includes TB Cable

**Product ID:** TB2DOCK4KDHC



The TB2DOCK4KDHC Thunderbolt 2 Docking Station lets you connect up to 11 devices to your MacBook or laptop, so you can create a convenient, 4K Ultra HD workstation. Laptops often lack the connection ports you'll need to maximize productivity, while many docking stations only offer basic port interfaces. With more connection ports than most docking stations, now you can vastly expand your connectivity while taking advantage of Thunderbolt 2 possibilities.

Delivering unparalleled speed and unprecedented display technology, the TB2DOCK4KDHC offers the ultimate in workstation convenience and is one of the first Thunderbolt 2 docking stations available.

Thunderbolt 2 redefines efficiency with dependable, lightning-fast performance. With up to 20 Gbps data throughput, this convenient laptop docking station helps you avoid the nuisance of bandwidth bottlenecks when connecting multiple displays and peripherals to your MacBook. Thunderbolt 2 merges two 10 Gbps channels, delivering speeds that are twice as fast as Thunderbolt 1, and 4x faster than USB 3.0, for unparalleled device performance.

With virtually no throughput restrictions, this versatile docking station gives you essential connection ports as well as interfaces other Thunderbolt 2 docks don't offer, such as USB 3.0 fast-charge, eSATA and SPDIF 5.1 digital optical audio ports. The TB2DOCK4KDHC lets you use your peripherals at higher speeds, saving you time so you can get your work done faster.

Discover 4K Ultra HD for an unprecedented visual experience! The dock delivers brilliant text and image quality at 4K resolution (3840 x 2160p) to your HDMI, DisplayPort, or Thunderbolt monitor (4K resolution at 60Hz is supported when connected to a single Thunderbolt display). Plus, you're set for the future popularity of 4K sources and displays.

For the improved productivity of a dual monitor setup, the dock can connect to an HDMI and a Thunderbolt display, with 4K resolution on a single display.

You can even connect multiple displays via Thunderbolt daisy chain, giving you two convenient possibilities for expanding your overall screen real estate!

For a convenient workstation experience, you can eliminate hassle and save time by leaving your vital peripherals connected to the dock. You can easily create a dynamic, full-sized workstation in seconds using the included Thunderbolt cable. Plus, you can fast-charge your tablet or smartphone with or without your laptop connected to the

dock, through a handy, always-on USB fast-charge port.

This Thunderbolt dock lets you hurdle connection limitations by adding several essential ports to your MacBook Pro or MacBook Air, such as multiple storage peripherals through eSATA (with port multiplier support) and USB 3.0 hub ports. Unlike other Thunderbolt docking stations, the TB2DOCK4KDHC offers an SPDIF port so you can take advantage of your laptop or MacBook 5.1 digital optical audio capabilities. Plus, for maximum connectivity you can daisy chain up to 6 Thunderbolt devices.

Unlike some proprietary docking stations designed only to work with specific laptop models, this universal Thunderbolt 2 laptop dock works with multiple brands. All you need is your laptop or MacBook Thunderbolt 2 port and you can be up and running quickly. With universal support, you can use this dock with different laptops.

Backed by a StarTech.com 3-year warranty and free lifetime technical support, this durable Thunderbolt 2 dock also features an aluminum outer frame and stylish silver sandblast finish that matches your MacBook nicely!

## Certifications, Reports and Compatibility



## Applications

- Expand your MacBook display capabilities by connecting a single 4K monitor, projector, or HDTV, with higher resolutions and superior image quality
- Ideal for professionals who work with highly detailed graphics, including graphic and web designers, animators, or engineers (CAD)
- High-end audio applications ranging from sound studios to music enthusiasts, with 5.1 SPDIF digital optical audio output and line input
- Connect a 4K-capable touch screen for smooth, and precise touch-recognition
- Perfect for resource-intensive software applications such as video and photo editing
- Connect high-bandwidth external storage devices, including Thunderbolt 2, eSATA, and USB 3.0 HDD enclosures
- Expand your laptop connectivity at home or in the office by connecting multiple monitors and a wide variety of peripherals through a single Thunderbolt connection

## Features

- Unparalleled performance with support for Thunderbolt 2 data rates up to 20 Gbps
- Vivid 4K image quality, with support for 3840 x 2160p Ultra HD resolutions, including 4K at 60Hz when using a Thunderbolt display
- Connect dual displays with HDMI and Thunderbolt monitors, with 4K on one display
- Easy-access USB 3.0 fast-charge and sync port, able to charge a device without a host connection
- SPDIF 5.1 digital optical audio output, line input, 3.5mm 4-position TRRS headset port (audio/microphone)
- eSATA port with support for port multiplier up to four drives, for high-speed external storage devices
- 4x total USB 3.0 downstream ports with UASP support (1x front port USB Battery Charging Specification 1.2 compliant, and 3x rear ports)
- Universal compatibility, works with virtually all Thunderbolt 2 equipped laptop brands
- Gigabit Ethernet RJ45 Port with Wake-on-LAN (WOL) support
- Daisy-chainable for up to 6 Thunderbolt devices
- Matte silver sandblast finish, matching Apple MacBooks
- DisplayPort 1.2 support
- Durable housing with aluminum outer frame
- Integrated security lock
- Includes 1m Thunderbolt cable

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## Hardware

Warranty	3 Years
4K Support	Yes
Fast-Charge Port(s)	Yes
Displays Supported	1
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 - ASM1061
	C-Media - CM6500
	Texas Instruments - PCM2912A
	Intel - WGI210AT

## Performance

Wake On Lan	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
	HDMI Display: 3840x2160@30Hz
	mDP or Thunderbolt Display: 3840x2160@60Hz
	Dual Displays
	HDMI and Thunderbolt Displays: 3840x2160 (HDMI) and 3440x1440 (Thunderbolt)
	Thunderbolt Daisy Chain: 3840x2160 (mDP / DP) and 2560x1440 (Thunderbolt)
	Note: Depending on the configuration and the supported resolutions of your connected monitors, the docking station may support video resolutions lower than those specified above.
Type and Rate	Thunderbolt 2 - 20 Gbit/s
UASP Support	Yes
Port Multiplier	Yes
Number of Ports That Support Port Multiplier	1
Number of Drives Supported Through Port Multiplier	1 to 4

Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes

#### Connector(s)

Connector Type(s)	2 - Thunderbolt 2 (20 pin)
	1 - HDMI (19 pin)
	1 - USB 3.2 Type-A (9 pin, Fast-Charge)
	3 - USB Type-A (9 pin, 5 Gbps)
	1 - eSATA (7 pin, Data)
	1 - Toslink (SPDIF, Optical)
	1 - 3.5 mm Mini-Jack (4 Position)
	1 - 3.5 mm Mini-Jack (3 Position)
	1 - RJ-45
	1 - Security Lock Slot

#### Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
	macOS 10.9 to 10.15, 11.0, 12.0, 13.0, 14.0, 15.0

#### Special Notes / Requirements

System and Cable Requirements	Available Thunderbolt 2 interface
	<strong>Port multiplier support:</strong> The docking station's eSATA port is natively supported in both Windows and Mac operating systems. However, port multiplier is only natively supported in Mac OS. Install the ASMedia-ASM1061 driver to enable support for port multiplier in Windows OS.
Note	Dual display configuration is available when connected to an HDMI + Thunderbolt display only
	A 4K-capable display is required to achieve 4Kx2K resolutions
	If connected to a Thunderbolt 1 host port, performance may be limited

## Indicators

LED Indicators	1 - Link (Green)
	1 - Activity (Yellow)

## Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	2 A
Output Voltage	12V DC
Output Current	5 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	60

## Environmental

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

## Physical Characteristics

Color	Silver
Material	Aluminum and Plastic
Product Length	9.2 in [23.4 cm]
Product Width	3.2 in [8.2 cm]
Product Height	1.5 in [3.8 cm]
Weight of Product	20.5 oz [580 g]

## Packaging Information

Package Quantity	1
Package Length	7.2 in [18.2 cm]

Package Width	10.7 in [27.3 cm]
Package Height	5.0 in [12.6 cm]
Shipping (Package) Weight	3.8 lb [1.7 kg]

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#### What's in the Box

Included in Package	1 - Thunderbolt 2 4K Laptop Docking Station
	1 - 1m Thunderbolt Cable
	1 - Universal Power Adapter
	4 - Power Cords (NA/JP, UK, EU, ANZ)
	1 - Instruction Manual

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