

Thunderbolt 4 Dock, 96W Power Delivery, Single 8K/Dual Monitor 4K 60Hz, 3xTB4/USB4 ports, 4xUSB-A, SD, GbE, Thunderbolt 4 Docking Station for Windows or TB3 MacBook, 0.8m Cable

Product ID: TB4CDOCK



This Thunderbolt 4 Certified docking station lets you use a single Thunderbolt 4, Thunderbolt 3 or USB4 port to add high-performance connectivity and charge your Thunderbolt 4 or USB4 Windows laptop, Thunderbolt 4 M1 Max/M1 Pro MacBook, or your Thunderbolt 3 M1 or Intel MacBook (macOS 11 Big Sur or higher).

For easy deployment the dock includes a 2.6 ft. (0.8 m) Thunderbolt 4 cable that connects to the front-facing host port, and features Kensington-style security slots.

The docking station utilizes the high 40Gbps throughput available from your computer's Thunderbolt 4, Thunderbolt 3, or USB4 port to provide a wide range of port connectivity to suit a variety of applications, including daisy chaining up to five devices from the TB4/USB4 ports.

The dock features:

- 3x downstream Thunderbolt 4/USB4 ports to flexibly connect Thunderbolt 4, Thunderbolt 3, and USB peripheral devices and display(s), with the added benefit of 15W (3A) device charging per each port.
- 3x USB 3.2 Gen 2 (10Gbps) Type-A ports to connect USB peripheral devices.
- 1x USB 2.0 (480Mbps) Type-A port that supports BC 1.2 with 7.5W (1.5A) for charging tablets and smartphones, or connecting USB Human Interface Device(s) (HID), such as a USB transceiver, to minimize signal interference.
- 1x Gigabit Ethernet port with PXE boot and WoL to connect to a wired Local Area Network (LAN).
- 1x Secure Digital (SD) 4.0/UHS-II card reader to externally access SD, SDHC and SDXC memory cards.
- 1x 3.5mm 4-position TRRS Audio Jack to connect a 3.5mm headset.

Up to two monitors can be attached to any of the downstream Thunderbolt 4 ports using USB-C monitors, Thunderbolt monitors or USB-C DP Alt Mode to video adapters (video adapter required, each sold separately).

On Thunderbolt 4 Windows laptops the dock can support dual monitors with resolutions up to 4K 60Hz, or a single monitor with resolutions up to 8K 30Hz, 6K 60Hz, 5K 60Hz, 4K 60Hz.

On Thunderbolt 4 M1 Max and M1 Pro MacBooks the dock can support dual monitors with resolutions up to 4K 60Hz, or a single monitor with resolutions up to 6K 60Hz, 5K 60Hz, 4K 60Hz.

On M1 Thunderbolt 3 MacBooks the dock can support a single monitor with resolutions up to 6K 60Hz, 5K 60Hz, 4K 60Hz.

On Intel Thunderbolt 3 MacBooks the dock can support dual monitors with resolutions up to 4K 60Hz, or a single monitor with resolutions up to 6K 60Hz, 5K 60Hz, 4K 60Hz.

On USB4 Windows laptops the dock can support a single monitor with resolutions up to 8K 30Hz, 6K 60Hz, 5K 60Hz, 4K 60Hz.

The Thunderbolt 4 docking station includes a 135W power adapter and supports 96W USB power delivery. This enables the dock to charge your MacBooks and Thunderbolt 4 and USB4 Windows laptops. Plus, the added power provides downstream TB4/USB4 ports with 15W (3A) for device charging, and enables one of the USB-A ports to support BC 1.2, for charging tablets and smartphones.

To ensure compatibility with your Thunderbolt 4 computers and Thunderbolt 4/3 peripheral devices. This certification provides assurance the dock will be fully compatible with Intel Evo/Tiger Lake (11th gen & up) Thunderbolt 4 laptops including: Dell Precision 5560/5760, XPS 13 9310, HP EliteBook 850 G8, ProBook 450 G8, and Lenovo X1 Carbon 9th Gen. The dock is also compatible with M1 & Intel Thunderbolt 3 MacBooks (11.0 & up).

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

Advanced Windows Layout Utility: To setup and save custom windows layouts.

Mac Address Pass-Through Utility: To improve network security.

USB Event Monitoring Utility: To track and log connected USB devices

Wi-Fi Auto Switch Utility: Enabling users to quickly access faster network speeds via wired LAN.

For more information and to download the StarTech.com Connectivity Tools application, please visit:
www.StarTech.com/Connectivity-Tools

TB4CDOCK is backed by a 3-year StarTech.com warranty, and free lifetime multilingual, North American based technical support.

Certifications, Reports and Compatibility



Applications

- Use in hot-desk workstations for user laptop hoteling
- Charge your tablets and smartphones from the B.C 1.2 USB-A port
- Externally access SD, SDHC and SDXC memory cards

Features

- **COMPATIBILITY:** Features 3x downstream Thunderbolt 4 (40Gbps) ports to connect TB4, TB3, USB4 & USB 3.2 peripherals & display(s); Compatible w/Windows Thunderbolt 4/USB4 laptops or M1 Max/M1 Pro & Intel Thunderbolt 3 MacBooks (macOS 11 Big Sur or higher)
- **CERTIFIED 96W POWER DELIVERY:** Charge most laptops including high performance MacBooks and Thunderbolt 4/USB4 Windows laptops; Downstream TB4/USB4 ports support 15W (3A) charging; 1x BC 1.2 USB-A port with 7.5W (1.5A) for charging tablets & smartphones
- **PORT FLEXIBILITY:** 3x TB4 ports for peripherals, up to 2 extended displays (w/USB-C video adapters), daisy chain up to 5 devices; 4x USB-A ports (3x 10Gbps/1x BC 1.2 fast charge); SD 4.0 card reader; Gigabit Ethernet (w/PXE Boot/WoL); 3.5mm headset port
- **DISPLAY COMPATIBILITY:** Up to single 8K30Hz/6K60Hz/5K60Hz or dual monitors at 4K60Hz on Thunderbolt 4 or USB4 Windows laptops supporting multiple monitors Single 4K/5K/6K60Hz on M1 MacBooks Dual 4K60Hz/Single 5K/6K on TB3 Intel/TB4 M1 Pro/Max MacBooks
- **THUNDERBOLT CERTIFIED:** Fully compatible w/Intel Evo, Tiger Lake (11th gen) & up TB4 laptops (Dell Precision 5560/5760, XPS 13 9310, HP EliteBook 850 G8, ProBook 450 G8, Lenovo X1 Carbon 9th Gen); Also compatible w/M1/M1 Max/Pro & TB3 MacBooks (11.0 & up)
- **EASY DEPLOYMENT:** Dock includes 2.6 ft (0.8 m) Thunderbolt 4 cable; Front host port; Kensington-style security slots; Auto driver setup
- **CONNECTIVITY TOOLS:** Provided with this docking station, the application improves performance and security, featuring MAC Address Changer, USB Event Monitoring, Windows Layout & Wi-Fi Auto Switch utilities

Hardware

Warranty	3 Years
Fast-Charge Port(s)	Yes
Displays Supported	2
Audio	Yes
Bus Type	Thunderbolt 4
Compatible Lock Slot	Kensington Mini Slot / Standard Slot

	Kensington Standard Slot (K-Slot)
Chipset ID	Intel - JHL8440
	Cypress - CYUSB4357
	Parade - FL5801
	Parade - FL5801
	Cypress - CYPD5235
	Realtek - RTL8153B
	Realtek - ALC4042
	Genesys Logic - GL3226

Performance

Maximum Digital Resolutions	<p>Thunderbolt 4 Windows Systems: Dual 4K 60Hz or Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz</p> <p>Thunderbolt 4 M1 Pro & M1 Max Mac Systems: Dual 4K 60Hz or Single 5K 60Hz / 4K 60Hz, Thunderbolt 3 Intel Mac Systems: Dual 4K 60Hz or Single 6K 60Hz / 5K 60Hz / 4K 60Hz, Thunderbolt 3 M1 Mac Systems: Single 4K 60Hz or 6K 60Hz / 5K 60Hz / 4K 60Hz, Thunderbolt 4 & Compatible USB4 Systems: Dual 4K 60Hz or Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz</p> <p>USB4 Systems: Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz</p> <p><i>USB4 Windows laptops may support dual-displays over Thunderbolt if supported by the USB4 Windows Laptop</i></p>
Audio Specifications	Analog Stereo - 2 Channel Audio
Memory Media Type	<p>SD/MMC (Secure Digital/Multimedia Card)</p> <p>SDHC (Secure Digital High Capacity)</p> <p>SDXC (Secure Digital eXtended Capacity)</p> <p>microSD (Micro Secure Digital) (adapter required)</p> <p>microSDHC (Micro Secure Digital High Capacity) (adapter required)</p> <p>microSDXC (Micro Secure Digital eXtended Capacity) (adapter required)</p>
Compatible Networks	10/100/1000 Mbps

	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
Connector(s)		
	External Ports	1 - SD Slot 1 - USB 2.0 A (Fast-Charge, 4 pin) 1 - 3.5mm Audio (4-Position, Speakers + Mic, CTIA) 3 - Thunderbolt 4 (USB 4.0) 1 - Ethernet Gigabit 3 - USB 3.2 Type-A (9 pin, Gen 2, 10Gbps)
	Host Connectors	1 - Thunderbolt 4 (USB 4.0)
Software		
	OS Compatibility	Windows 11 Windows 10 macOS Big Sur (11.0) macOS Monterey (12.0) macOS Ventura (13.0)
Special Notes / Requirements		
	Note	The docking station is compatible with Thunderbolt 4/USB4 Windows laptops, Thunderbolt 4 M1 Max/M1 Pro MacBooks, and Thunderbolt 3 M1/Intel MacBooks (macOS 11 Big Sur or higher)
Indicators		
	LED Indicators	1 - White On: Power 1 - Green On: Connected to Host
Power		
	Power Source	AC Adapter Included
	Power Delivery	100W
	Input Voltage	100 - 240 AC

Input Current	2.5 A
Output Voltage	20V DC
Output Current	6.75 A
Center Tip Polarity	Positive
Plug Type	7.4mm OD, 5.5mm ID, 0.5mm CPD
Power Consumption (In Watts)	135

Environmental

Operating Temperature	0 to 50C
Storage Temperature	-20 to 70C
Humidity	0% to 95% (non-condensing) at 25C

Physical Characteristics

Color	Black & Gray
Material	Aluminum and Plastic
Cable Length	31.5 in [80 cm]
Product Length	3.3 in [8.4 cm]
Product Width	7.6 in [19.4 cm]
Product Height	1.1 in [2.9 cm]
Weight of Product	2.2 lb [1.0 kg]

Packaging Information

Package Quantity	1
Package Length	5.7 in [14.5 cm]
Package Width	9.3 in [23.5 cm]
Package Height	3.5 in [9.0 cm]
Shipping (Package) Weight	2.4 lb [1.1 kg]

What's in the Box

Included in Package	1 - Thunderbolt 4 Docking Station
	1 - Thunderbolt 4 Cable
	1 - Universal Power Adapter (NA/JP)
	1 - Quick-Start Guide

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

