

## USB-C Docking Station for MacBook Pro / Air M1 M2 M3 M4 M5 & Windows, Universal Dual 4K 60Hz / Single 8K Thunderbolt Dock, 96W Laptop Charging

**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 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](http://www.StarTech.com/Connectivity-Tools)

## 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

- **HIGH-PERFORMANCE THUNDERBOLT 4 CERTIFIED DOCK:** Easy Driverless setup; 3x downstream Thunderbolt 4 (40Gbps) ports; 4x USB-A ports (3x 10Gbps/1x BC 1.2 fast charge); SD card reader; GbE; 2.6ft TB4 cable; Front host port; Kensington-style security slots
- **CERTIFIED 96W POWER DELIVERY:** Includes fully spec'd power adapter to simultaneously charge laptop (96W PD) & power to all ports; Downstream TB4 / TB3 / USB4 ports support 15W (3A) charging; 1x BC 1.2 USB-A port with 7.5W (1.5A) for charging mobile devices
- **COMPATIBILITY:** This dock works with Windows, macOS, and Ubuntu; Supports Thunderbolt or USB4 laptops; Dual display on MacBook Air / Pro with M3, M4 or M5 (clamshell mode required with M3); Single display on base M-series MacBooks and iPad Pro M1 or later
- **3x THUNDERBOLT 4 PORTS:** The dock features three downstream Thunderbolt 4 ports for connecting TB4, TB3, USB4 or USB peripherals; The TB4 ports can be used for connecting up to two external displays supporting dual 4K 60Hz or a single 5K/6K/8K monitor
- **OUR ADVANTAGE:** Included connectivity tools for IT Pros and IT help-desk support teams with Network MAC Address Pass-Through for network security, WiFi Auto Switching for improved network performance, USB Event Monitoring, and Windows Layout

### General

|                  |              |
|------------------|--------------|
| UPC              | 065030892551 |
| Package Quantity | 1            |
| Warranty         | 3 Years      |

### Special Notes / Requirements

|               |                                                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special Notes | The docking station is compatible with Thunderbolt 4/USB4 Windows laptops, Thunderbolt 4 M1/M2/M3 Max/Pro MacBooks, and Thunderbolt 3 M1/Intel MacBooks (macOS 11 Big Sur or higher) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Power

|                |                     |
|----------------|---------------------|
| Power Source   | AC Adapter Included |
| Power Delivery | 96W                 |
| Input Voltage  | 110V-240V AC        |

|                     |           |
|---------------------|-----------|
| Input Current       | 2.5 A     |
| Output Voltage      | 20V DC    |
| Output Current      | 6.75      |
| Center Tip Polarity | Positive  |
| Plug Type           | 7.4mm OD  |
|                     | 5.5mm ID  |
|                     | 0.5mm CPD |
| Power Consumption   | 135       |

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#### Physical & Environmental

|                       |                                   |
|-----------------------|-----------------------------------|
| Color                 | Black & Gray                      |
| Material              | Aluminum and Plastic              |
| Cable Length          | 31.5 in [800 mm]                  |
| Product Length        | 3.3 in [84.0 mm]                  |
| Product Width         | 3.7 in [95.0 mm]                  |
| Product Height        | 1.3 in [32.0 mm]                  |
| Weight of Product     | 14.9 oz [423.0 g]                 |
| Operating Temperature | 0 to 50C                          |
| Storage Temperature   | -20 to 70C                        |
| Humidity              | 0% to 95% (non-condensing) at 25C |

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#### Performance

|                          |                  |
|--------------------------|------------------|
| Device Power Consumption | 800              |
| Compatible Networks      | 10/100/1000 Mbps |
| Auto MDIX                | Yes              |
| Full Duplex Support      | Yes              |
| PXE                      | Yes              |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wake-On-LAN (WOL)           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Memory Media Type           | SD/MMC (Secure Digital/Multimedia Card)<br><br>SDHC (Secure Digital High Capacity)<br><br>SDXC (Secure Digital eXtended Capacity)<br><br>microSD (Micro Secure Digital) (adapter required)<br><br>microSDHC (Micro Secure Digital High Capacity) (adapter required)<br><br>microSDXC (Micro Secure Digital eXtended Capacity) (adapter required)                                                                                                                                                                                                                                                                                                                          |
| Maximum Digital Resolutions | Thunderbolt 4 Windows Systems: Dual 4K 60Hz or Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz<br><br>Thunderbolt 4 M1 Pro & M1 Max Mac Systems: Dual 4K 60Hz or Single 5K 60Hz / 4K 60Hz<br><br>Thunderbolt 3 Intel Mac Systems: Dual 4K 60Hz or Single 6K 60Hz / 5K 60Hz / 4K 60Hz<br><br>Thunderbolt 3 M1 Mac Systems: Single 4K 60Hz or 6K 60Hz / 5K 60Hz / 4K 60Hz<br><br>Thunderbolt 4 & Compatible USB4 Systems: Dual 4K 60Hz or Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz<br><br>USB4 Systems: Single 8K 30Hz / 6K 60Hz / 5K 60Hz / 4K 60Hz<br><br><i>USB4 Windows laptops may support dual-displays over Thunderbolt if supported by the USB4 Windows Laptop</i> |

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## Hardware

|                                    |                                                                               |
|------------------------------------|-------------------------------------------------------------------------------|
| Fast-Charge Port(s)                | Yes                                                                           |
| Displays Supported                 | 2                                                                             |
| Number of Battery Charge 1.2 Ports | 1                                                                             |
| Audio                              | Yes                                                                           |
| Bus Type                           | Thunderbolt 4                                                                 |
| Compatible Lock Slot               | Kensington Mini Slot / Standard Slot<br><br>Kensington Standard Slot (K-Slot) |

|                    |                                 |
|--------------------|---------------------------------|
| Number of Displays | 2                               |
| Chipset ID         | Intel - JHL8440                 |
|                    | Cypress - CYUSB4357             |
|                    | Parade - FL5801                 |
|                    | Cypress - CYPD5235              |
|                    | Realtek - RTL8153B              |
|                    | Realtek - ALC4042               |
|                    | Genesys Logic - GL3226          |
| LED Indicators     | 1 - White On: Power             |
|                    | 1 - Green On: Connected to Host |

#### Packaging & 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               |
| Package Width             | 5.8 in [147 mm]                     |
| Package Depth             | 9.2 in [233 mm]                     |
| Package Height            | 3.6 in [91 mm]                      |
| Shipping (Package) Weight | 42.6 oz [1208 g]                    |

#### Connector(s)

|                             |                            |
|-----------------------------|----------------------------|
| Host Connector 1 (Quantity) | 1                          |
| Host Connector 1            | USB-C (Thunderbolt 40Gbps) |
| Connector 1 (Quantity)      | 1                          |
| Connector 1                 | SD Card Slot               |

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