

Thunderbolt 4 Multi-Display Docking Station, Quad/Triple/Dual Monitor Dock - 2x HDMI/2x DisplayPort, 7x USB Hub, 2.5Gb Ethernet, 98W Power Delivery

Product ID: 132N-TB4USB4DOCK



This Thunderbolt 4 Certified docking station uses a single Thunderbolt 4/3 or USB4, port on a host computer to add high-performance connectivity while charging the laptop.

The dock is equipped with 2x HDMI and 2x DisplayPort video outputs for connecting multiple monitors to the host computer. The dock offers video flexibility, supporting single, dual, triple, or quad monitor configurations. With an Intel 12th Gen processor or higher that supports DP 1.4 with DSC, the docking station can support a quad-monitor configuration with resolutions up to 4K 60Hz. Quad displays are also available at lower resolutions or refresh rates on computers without DSC or with earlier Intel revisions. In addition, the dock supports a single 8K 60Hz display on either of the HDMI output ports.

Apple computers equipped with M1, M2, or M3 Max/Pro processors support dual displays. For Apple computers featuring the M1, M2, or M3 base processor a single display is supported.

The docking station utilizes the high 40Gbps throughput available from a Thunderbolt 4/3, or USB4 port to provide a wide range of port connectivity to suit a variety of applications.

The dock features:

- 2x HDMI ports to connect displays
- 2x DisplayPort ports to connect displays
- 6x USB 3.2 ports (3x 10Gbps Type-A, 1x 10Gbps Type-C, 2x 5Gbps Type-A) 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 battery powered USB devices
- 1x 2.5 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 Micro Secure Digital (microSD) 4.0/UHS-II card reader to externally access mSD, mSDHC and mSDXC memory cards
- 1x 3.5mm 4-position TRRS Audio Jack to connect a 3.5mm headset

Includes a 180W power adapter and supports 98W USB power delivery. This enables the dock to charge the laptop, with enough additional power for the downstream USB 2.0 port to support BC 1.2 with 7W (1.5A) for charging tablets, smartphones or other battery-powered USB devices.

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

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/mSD, SDHC and SDXC memory cards

Features

- HIGH-PERFORMANCE THUNDERBOLT 4 DOCK: Easy driverless setup; 2x DisplayPort; 2x HDMI; 7-Port USB Hub (3x USB-A 10Gbps/1x USB-C 10Gbps/2x USB-A 5Gbps/1x USB 2.0); SD & mSD card readers; 2.5GbE; Lock slots (k-slots); 3.5mm Headset jack
- MULTI-MONITOR FLEXIBILITY: Up to quad 4K 60Hz w/Intel 12th Gen CPU (or higher) supporting DP 1.4 w/DSC;

Quad displays at lower resolutions or refresh-rates without DSC or with Intel 11th gen CPU (or lower); Single HDMI display up to 8K 60Hz or 4K 144Hz

• **COMPATIBILITY:** Supports Windows, macOS & Ubuntu; Works with Thunderbolt 4/USB4 laptops; Quad display on Windows laptops; Dual display on MacBook Pro (Apple M1/M2/M3 Max & Pro); Single display on MacBook Air

• **98W POWER DELIVERY:** Includes fully spec'd power adapter to simultaneously charge laptop (98W PD) and power all ports; Downstream USB 2.0 port supports 7.5W (1.5A) for charging mobile devices or other battery-powered devices

• **IT PRO ADVANTAGES:** Includes 3.3ft/1m TB4 host cable; Mounting holes for optional brackets (SSPMSVESA/SSPMSUDWM); K-Slots for lock; Connectivity Tools software w/MAC Address Pass-Through, USB Event Monitoring, WiFi Auto Switching & Windows Layout utilities

Hardware

Warranty	3 Years
4K Support	Yes
Fast-Charge Port(s)	Yes
Displays Supported	4
Audio	Yes
Interface	Thunderbolt 4
Bus Type	Thunderbolt 4
Compatible Lock Slot	Kensington Standard Slot (K-Slot) Kensington Nano Slot
Industry Standards	Thunderbolt 4 USB 3.2 Gen 2 10Gbps HDMI 2.1 DisplayPort 1.4 Secure Digital (SD) 4.0 UHS-II 2.5GBASE-T / 1000BASE-T / 100BASE-T / 10BASE-T USB Power Delivery 3.0
Chipset ID	Intel - JHL8440 Cypress - HX3PD

Parade - FL5801

Realtek - RTL8156BG

Genesys Logic - GL3231S

Realtek - ALC4030U

Realtek - RTD2188

Cypress - CCG5

TI - TPS2546

Performance

Wake On Lan Yes

Maximum Data Transfer Rate 40Gbps

Maximum Digital Resolutions

Single Display: up to 7680 x 4320 60Hz

Dual Display: up to 2x 3840x2160p 60Hz

Triple Display: up to 3x 3840x2160p 60Hz

Quad Display: up to 4x 3840x2160p 60Hz

<i>Video performance, such as resolution and refresh rate, are also dependent upon the video capabilities of the host computer.</i><i>Some computer manufacturers, such as Dell, disable Display Stream Compression (DSC) on some of their models reducing overall video performance.</i>

Type and Rate Thunderbolt 4 - 40 Gbit/s

UASP Support Yes

Supported Charging Outputs BC 1.2 (1.5A)

Compatible Networks 2.5G/1G/100Mbps/10Mbps

PXE Yes

Full Duplex Support Yes

MTBF 10,000 Hours

Connector(s)

Connector Type(s)	2 - HDMI (19 pin)
	2 - DisplayPort (20 pin)
	1 - USB 3.2 Type-A (9 pin, Gen 2, 10Gbps)
	1 - USB 2.0 A (Fast-Charge, 4 pin)
	1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)
	1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)
	2 - USB 3.2 Type-A (9 pin, Gen 2, 10Gbps)
	2 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)
	1 - 3.5mm Audio (4-Position, Speakers + Mic, CTIA)
	1 - microSD
	1 - SD / MMC
	1 - RJ-45
Host Connectors	1 - Thunderbolt 4 (USB 4.0)

Software

OS Compatibility	Windows 11
	Windows 11 ARM
	Windows 10
	Windows 10 ARM
	macOS Big Sur (11.0)
	macOS Monterey (12.0)
	macOS Ventura (13.0)
	macOS Sonoma (14.0)

Special Notes / Requirements

System and Cable Requirements	This Dock can function with Thunderbolt 4, USB4 or USB-C host ports. For maximum performance a Thunderbolt 4 or USB4 port is recommended
	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)

DisplayPort Video Output ports do not support the use of passive DisplayPort Adapters

Note

USB 3.2 Gen 2 (10Gbps) is also known as USB 3.1 Gen 2 (10Gbps)

USB 3.2 Gen 1 (5Gbps) is also known as USB 3.1 Gen 1 (5Gbps) and USB 3.0 (5Gbps)

Indicators

LED Indicators

1 - Power Button LED (Green): Illuminates When the Dock is Connected to a Power Source and Powered On

1 - LAN Port - Network Status LED (Green): Illuminates to Indicate an Ethernet Link is Active

1 - LAN Port - Network Activity LED (Amber): Blinks to Indicate Network Traffic

Power

Power Source	AC Adapter Included
Input Voltage	110V-240V AC
Input Current	2.5 A
Output Voltage	20V DC
Output Current	9
Center Tip Polarity	Positive
Plug Type	CP (OD:7.4/ID:5.1/CPD:0.6)
Power Consumption (In Watts)	180W

Environmental

Operating Temperature	0 to 40C
Storage Temperature	-20 to 70C
Humidity	0% to 95% (non-condensing) at 25C

Physical Characteristics

Color	Space Gray
Material	Plastic
Product Length	3.8 in [9.6 cm]
Product Width	8.3 in [21.0 cm]
Product Height	1.4 in [3.4 cm]
Weight of Product	7.1 oz [200.0 g]

Packaging Information

Package Length	5.7 in [14.5 cm]
Package Width	9.1 in [23.0 cm]
Package Height	3.5 in [9.0 cm]
Shipping (Package) Weight	2.7 lb [1.2 kg]

What's in the Box

Included in Package	1 - Thunderbolt 4/USB4 Docking Station
	1 - 3ft (1m) Thunderbolt 4 Host Cable
	1 - Universal Power Adapter (North America)
	1 - Quick-Start Guide

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