Universal USB4 & Thunderbolt 4 Docking Station, Quad Display on Windows, Dual Display on MacBook, HDMI DP Dock with 100W Laptop Charging

Product ID: 132N-TB4USB4DOCK

Engineered to maximize performance and future-proof your workspace, this universal USB4 and Thunderbolt 4 dock is Thunderbolt Certified, ensuring reliable connectivity and optimal user experience.

Push the boundaries of productivity with quad 4K 60Hz displays on Windows laptops running the latest Intel 12th Gen CPUs (or later) and DP 1.4 with DSC. Legacy systems still benefit from flexible dual or triple monitor setups.

Experience dual extended 4K displays on MacBook Air and Pro powered by M3 or M4 chips (clamshell mode required for M3), and MacBook M1 / M2 Pro or Max configurations. For Apple computers featuring the M-series base processor only a single display is supported.

Includes a fully spec'd 180W power adapter that enables the dock to charge the laptop with 98W Power Delivery, while preserving 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.

StarTech.com Connectivity Tools offer practical utilities to support device management and increase productivity in modern IT environments. With features like MAC address pass-through, Wi-Fi auto switch, and USB device monitoring, the software helps IT teams streamline deployment and strengthen security across diverse setups.

Visit www.StarTech.com/Connectivity-Tools to download the Enterprise Management Tools.

Certifications, Reports and Compatibility

Windows 11 · Windows 10 · macOS Sonoma · macOS Ventura · macOS Monterey · macOS Big Sur

Applications

• Driverless setup and broad OS compatibility make this an excellent choice for corporate IT and hot desking

• Facilitate real-time monitoring of multiple financial markets by connecting up to four displays

• Provide ample screen real estate for complex designs and simulations in CAD & Engineering

• Integrated SD and microSD card readers streamline workflows for video editors, photographers, and designers

Features

• Universal USB4 and Thunderbolt Dock: This high-performance dock offers driverless compatibility with Windows and macOS; Designed to work with Intel, Apple Silicon, AMD, Snapdragon X Copilot+ PCs, it's ideal for mixed-device fleets and laptop refreshes

• Quad Display On Windows: Enables up to four 4K 60Hz monitors when connected to Windows laptops with Intel 12th Gen CPUs (or later) and DP 1.4 with DSC; Also supports triple or dual displays on older systems without DSC

• Dual Display on Mac: Get dual extended 4K 60Hz displays on MacBook Air / Pro with M3 or M4 (clamshell mode required with M3); For M1 and M2 MacBook Pro, dual extended display requires Pro or Max chip

• 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

• The IT Pro's Choice: Our docking stations are rigorously tested in our Innovation Lab to ensure enterprise-grade reliability and cross-platform compatibility; Built to support large-scale deployments, Windows 11 upgrades, and the shift to AI-enabled PCs

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

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

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	
	macOS Big Sur (11.0)	
	macOS Monterey (12.0)	
	macOS Ventura (13.0)	
	macOS Sonoma (14.0)	
	macOS Sequoia (15.0)	
	macOS Tahoe (26.1)	

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
		- DisplayPort Video Output ports do not support the use of passive DisplayPort Adapters
	Note	- This dock uses MST (Multi-Stream Transport) to support four displays; macOS devices are limited to two external displays.
		- Jumbo Frames are no longer supported in macOS

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	9.1 in [23.2 cm]
Package Width	5.7 in [14.6 cm]
Package Height	3.6 in [9.1 cm]
Shipping (Package) Weight	2.8 lb [1.3 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

Warranty

Information

Warranty	3 Years

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