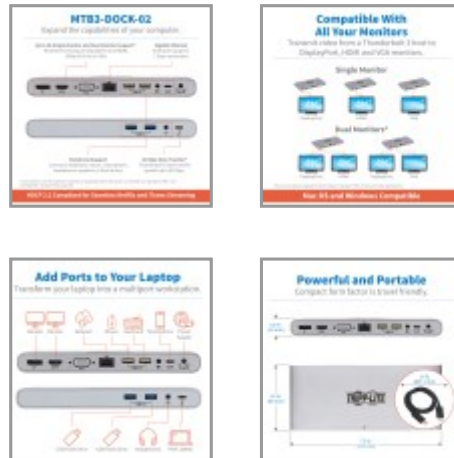# Thunderbolt 3 Dock, Dual Display - 4K 60 Hz, UHD, HDMI, DP, VGA, USB 3.2 Gen 1, USB-A/C Hub, GbE, Black

MODEL NUMBER: **MTB3-DOCK-02**

Adds HDMI, DisplayPort, VGA, USB-A, USB-C, Ethernet and 3.5 mm audio ports to your MacBook, ThinkPad or other Thunderbolt 3 device.

Features

Thunderbolt 3 Docking Station Turns Your MacBook or Other Notebook into a Workstation
This Thunderbolt 3 dock expands the potential of your MacBook or ThinkPad's Thunderbolt 3 port. It's ideal for transmitting digital 4K video to two large displays simultaneously, adding as many as five USB peripherals, recording a podcast, listening to music and connecting to a Gigabit Ethernet network—all at the same time.

Supports DisplayPort Alternate Mode for Transmitting Audio/Video Signals
By connecting the included Thunderbolt 3 cable to a source device that supports DisplayPort Alt Mode, you can output 4K video and digital audio to a compatible monitor, television or projector without installing special software drivers.

Thunderbolt 3 Supports Blisteringly Fast 40 Gbps Data Transfer Speeds
The included Thunderbolt 3 cable supports bidirectional speeds up to 40 Gbps, which is eight times faster than USB 3.0, four times faster than Thunderbolt 1 and twice as fast as Thunderbolt 2. With dual 20 Gbps channels moving data both directions at the same time, the MTB3-DOCK-02 is perfectly suited for 4K video streaming and editing on two monitors, as well as transferring large RAW video or CAD files.

DisplayPort Multi-Stream Transport (MST) Allows Connection of Multiple Displays
By connecting the included Thunderbolt 3 cable to a source that supports DisplayPort MST Mode, you may connect two displays simultaneously, so long as one of them is connected to the DisplayPort (DP) video port. Connect a DP monitor and an HDMI monitor or a DP monitor and a VGA monitor at the same time. This allows you to display the same image on both monitors, extend your host desktop across both with different windows open on each, or combine both into one large display as a video wall.

Transmits Crystal-Clear 4K Video and Digital Audio
The HDMI and DP outputs support true 4K resolutions up to 4096 x 2160 at 60 Hz. The VGA output supports HD resolutions up to 1920 x 1080 (1080p) at 60 Hz. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications.

USB Ports Connects Keyboards, Thumb Drives and Other USB Peripherals
Four USB-A hub ports and one USB-C port accept USB peripherals, such as flash drives, mice, keyboards, external hard drives and printers. The USB-C and two USB-A ports support fast USB 3.2 Gen 1 data transfer rates up to 5 Gbps (10 times faster than USB 2.0) and are backward compatible with USB

Highlights

- Connects 2 displays at the same time for multitasking and increasing productivity
- Supports true 4K UHD resolutions up to 4096 x 2160 (@ 60 Hz) for crystal-clear video
- Joins a wired 10/100/1000 Gigabit Ethernet network when no Wi-Fi is available
- Supports Thunderbolt 3 speeds up to 40 Gbps between compatible devices
- USB-A and USB-C data ports allow connection of flash drives and other peripherals

Applications

- Extend or mirror your MacBook or EliteBook on multiple displays to aid in multitasking and increase productivity
- Transfer files from one Thunderbolt 3 device to another at 40 Gbps
- Access a wired Gigabit Ethernet network in a location with no or spotty Wi-Fi
- Connect a microphone/headset to record a podcast and speakers to listen to music

System Requirements

- Source device with Thunderbolt 3 port that supports USB DisplayPort Alternate Mode and DisplayPort MST Mode (see owner's manual for details)

2.0 and USB 1.1 devices. The other two USB-A ports support USB 2.0 speeds of 480 Mbps.

Accesses a Wired Gigabit Ethernet Network
The RJ45 port offers access to a Gigabit Ethernet network when no Wi-Fi is available or when a wired connection offers faster speeds. Connect using a UTP cable (sold separately), and enjoy true 10/100/1000 Mbps Ethernet speeds for fast data transfers.

Connects Stereo Audio Equipment for Recording and Playback
This Thunderbolt 3 docking station offers two 3.5 mm mini stereo jacks, convenient for connecting speakers, headphones or a microphone to your workstation. You can listen to music and record the latest episode of your podcast.

Included Thunderbolt 3 Cable Attaches in Either Direction
Unlike traditional USB cables that connect in only one direction, the reversible Thunderbolt 3 male connector plugs into its port in either direction for an instant connection every time.

Ready to Use Right from the Package, So You Can Plug and Play Immediately
The plug-and-play Thunderbolt 3 dock is specifically designed for use with the MacBook Pro and other notebook computers equipped with a Thunderbolt 3 port. It requires no extra software to download and install. The included external power supply provides up to 20V 3A (60W) to charge and power the connected source device. The docking station is slightly larger than a typical smartphone, making it easy to pack into a backpack or laptop bag for multiport convenience wherever you go.

- Display device(s) with HDMI,

    VGA or DisplayPort input*
  *Both HDMI and DisplayPort outputs can transmit 4K video simultaneously. See owner's manual for details.

Package Includes

- MTB3-DOCK-02 Thunderbolt 3

    Dock, Dual Display, Black

- Thunderbolt 3 cable (M/M), 1.6

    ft.

- External power supply (Input:

    100–240V, 50/60 Hz, 3.0A;

    Output: 20V 6A)

- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332248459
Product Type	Docking Station
Host Connector	THUNDERBOLT 3 (Type-C MALE)

VIDEO	
Extended Mode	Yes
Extended Mode Details	1x DP (4K 60Hz) + 1x HDMI (4K 60Hz)1x DP (4K 60Hz) + 1x VGA (1080p)
Mirror Mode Details	1x DP (4K 60Hz) + 1x HDMI (4K 60Hz)1x DP (1080p) + 1x VGA (1080p)
Mirror Mode	Yes
Number of Monitors Supported	2
Resolutions Supported	DisplayPort: 4K 60Hz (3840 x 2160)HDMI: 4K 60Hz (3840 x 2160)VGA: 1920 x 1200 60Hz
Video Ports	DISPLAYPORT (FEMALE); HDMI (FEMALE); HD15 (FEMALE)
Video Ports Detail	DisplayPort 1.2; HDMI 2.0; HDCP 1.4; HDCP 2.2

AUDIO	
Audio Ports	(2) 3.5MM (FEMALE)
Audio Ports Detail	Mini stereo jack, one is for headphones or headphones/microphone combo) and the other is audio out (speakers)

DATA

Data Ports	(1) USB C (FEMALE); (4) USB A (FEMALE)
Data Ports Detail	(1) USB-C - USB 3.2 Gen 1 (5 Gbps); (2) USB-A - USB 3.2 Gen 1 (5 Gbps); (2) USB-A - USB 2.0

NETWORK

Network Ports	RJ45 (FEMALE)

INPUT

Maximum Input Amps	3
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Input Specs (V / Hz / A)	100-240V / 50/60Hz / 3.0A
External Power Supply Output Specs (V / A)	20V / 6A
External Power Supply Cord Length (ft.)	3.94
External Power Supply Cord Length (m.)	1.2
External Power Supply Plug(s)	NEMA 5-15P North America
External Power Supply Certifications	CCC; CE; GS; PSE; TUV; UL; cUL
Bus Powered	No

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	White, Orange

CHARGING

Charging Ports	Supports 60W (20V 3A) Power to Host Computer
USB Power Delivery (PD) Charging Support	No

PHYSICAL

Color	Gray
Material of Construction	Aluminum, Zinc Alloy
Unit Dimensions (hwd / cm)	2.2 x 8.5 x 19.5
Unit Dimensions (hwd / in.)	0.87 x 3.46 x 7.68
Unit Dimensions (hwd / mm)	22 x 85 x 195
Unit Packaging Type	Box
Unit Weight (kg)	0.43
Unit Weight (lbs.)	0.948

ENVIRONMENTAL

Operating Temperature Range	32 to 113°F (0 to 45°C)
Storage Temperature Range	32 to 158°F (0 to 70°C)
Operating Humidity Range	10% to 85% RH (No Condensation)
Storage Humidity Range	5% to 90% RH (No Condensation)
Power Provided to Connected Device(s)	20V/3A (60W) to Host Device

COMMUNICATIONS

Network Speed	Gigabit Ethernet (10/100/1000)
IEEE Standards Supported	802.3ab

CONNECTIONS

Ports	13
Side A - Connector 1	THUNDERBOLT 3 (Type-C FEMALE)
Side A - Connector 2	(2) USB 3.0 A (FEMALE)
Side A - Connector 3	USB C (FEMALE)
Side B - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 2	HDMI (FEMALE)
Side B - Connector 3	RJ45 (FEMALE)
Side B - Connector 4	HD15 (FEMALE)
Side B - Connector 5	USB 3.0 A (FEMALE)
Side B - Connector 6	3.5MM (FEMALE)

FEATURES & SPECIFICATIONS

Max Supported Video Resolution	DisplayPort: 4096 x 2160 (4K x 2K) @ 60 Hz; HDMI: 4096 x 2160 (4K x 2K) @ 60 Hz; VGA: 1920 x 1080 @ 60 Hz
Displayport Specification	1.2
HDMI Specification	2.0
HDCP Specification	2.2
USB Hub Ports	Yes
USB Specification	USB 2.0 (up to 480 Mbps); USB 3.0 (up to 5 Gbps)
Audio Specification	(x1) 3.5mm Stereo/Microphone Jack; (x1) 3.5mm Stereo jack
Max Supported Color Depth	48-bit Deep Color
Technology	DisplayPort; HDMI; Thunderbolt; USB; USB 2.0 (High Speed); USB 3.0 (SuperSpeed); VGA/SVGA
Thunderbolt Specification	Thunderbolt 3 (up to 40Gbps short or active cables)

WARRANTY

Product Warranty Period (Worldwide)	3-year limited warranty