

Kensington SD5200T

Kensington SD5200T Thunderbolt 3 Docking Station User Manual

Model: SD5200T (K38300NA)

1. INTRODUCTION

The Kensington SD5200T Thunderbolt 3 Docking Station is designed to expand the connectivity and capabilities of your Thunderbolt 3-equipped laptop. This manual provides essential information for setup, operation, and maintenance to ensure optimal performance.

What's in the Box:

- SD5200T Thunderbolt 3 Docking Station
- Thunderbolt 3 Cable, 0.5M (1.5 ft)
- AC Power Adapter with US power cable
- Instruction Guide
- Warranty Information



Figure 1: Kensington SD5200T Thunderbolt 3 Docking Station (Front View)

2. SETUP

2.1 System Requirements

- **Operating System:** macOS 10.14 and later, Windows 7, 8, 8.1, 10.
- **Host Connection:** Laptop with a Thunderbolt 3 port.
- **Note:** MacBooks with the M1 chipset will only display to a single monitor due to Apple's chipset limitations.

2.2 Driver and System Updates

Before connecting the docking station, ensure your computer's operating system and drivers are fully updated. This includes Windows updates, macOS updates, and any manufacturer-specific driver updates for your laptop's Thunderbolt controller and graphics card.

2.3 Connecting the Docking Station

1. Connect the AC Power Adapter to the DC 20V port on the rear of the docking station and then to a power outlet.
2. Connect your external monitors to the DisplayPort++ 1.2 port and/or the second Thunderbolt 3 port on the rear of the dock.
3. Connect any USB peripherals (keyboard, mouse, external drives) to the available USB ports on the dock.
4. Connect the included Thunderbolt 3 cable from the docking station's designated Thunderbolt 3 port (with the computer icon) to a Thunderbolt 3 port on your laptop.
5. The docking station is plug-and-play. Your operating system should automatically detect and configure the connected devices.



Figure 2: Rear Ports of the SD5200T Docking Station

3. OPERATING

3.1 Features and Ports Overview

The SD5200T offers a comprehensive set of ports to enhance your workstation:

- **Gigabit Ethernet Port:** For a stable and fast wired network connection.
- **USB 3.0 Ports:** Two ports on the rear for connecting standard USB devices like hard drives and keyboards. One front-facing USB 3.0 port with 2.1A charging.
- **USB-C Port (Front):** A data-only USB-C port on the front for connecting USB-C devices.

- **3.5mm Audio Jacks:** Separate ports for microphone input and headphone output.
- **Kensington Lock Slot:** For securing the docking station to a desk.
- **Thunderbolt 3 Ports:** Two Thunderbolt 3 (USB-C type) ports. One connects to your host laptop (with computer icon) and provides power delivery. The second can be used for daisy-chaining additional Thunderbolt devices or for display output.
- **DisplayPort++ 1.2:** For connecting a primary external monitor. Supports DisplayPort MST (Multi-Stream Transport) for daisy-chaining displays on Windows.



Figure 3: Front Ports of the SD5200T Docking Station



Figure 4: USB 3.0 Port with 2.1A Charging

3.2 Display Configuration

The SD5200T supports flexible display setups:

- **Single Monitor:** Up to 5K (5120 x 2880 @ 60Hz) via one Thunderbolt 3 port.
- **Dual Monitors:** Up to 4K (4096 x 2160 @ 60 Hz) on both monitors simultaneously.

To connect dual displays:

1. Connect one display to the DisplayPort++ 1.2 port using a passive DisplayPort cable.
2. Connect the second display to the downstream Thunderbolt 3 port using a USB-C to DisplayPort or USB-C to HDMI cable.

Note: If connecting a DisplayPort++ to an HDMI monitor, a passive adapter or cable is required. DisplayPort MST (Multi-Stream Transport) for daisy-chaining multiple displays from a single DisplayPort output is supported on Windows, but not on macOS.



Figure 5: Dual Monitor Setup

3.3 Power Delivery

The docking station delivers up to 85W of power to charge your connected laptop. This power output adjusts based on your laptop's needs. Laptops requiring more than 85W (e.g., some 15" MacBook Pro models requiring 87W) will still charge, but potentially at a slightly slower rate. Windows laptops must be designed to support power delivery via Thunderbolt for charging functionality through the dock.



Figure 6: 85W Power Delivery to Laptop

4. COMPATIBILITY

The Kensington SD5200T is designed for optimal performance with Thunderbolt 3-enabled devices.

- **Thunderbolt 3:** Fully compatible with laptops featuring Thunderbolt 3 ports (e.g., Lenovo, Dell, HP, Acer, Asus, MSI, Razer, and MacBooks running OS 10.14 and later).
- **USB-C:** The downstream Thunderbolt 3 port is backwards compatible with USB-C devices for data and video, but not all USB-C laptops will support power delivery or dual displays through the dock.
- **Older Thunderbolt Versions:** This dock is not compatible with Thunderbolt 1 or Thunderbolt 2 ports. Ensure your laptop has a Thunderbolt 3 port.
- **Chrome OS:** The SD5200T is not compatible with Chrome OS or Chromebooks.

5. TROUBLESHOOTING

5.1 No Display on External Monitor

- Ensure all cables are securely connected.
- Verify your laptop's display settings. On macOS, go to System Preferences > Displays > Arrangement. On Windows, right-click the desktop and select Display settings.
- Check your monitor's settings to ensure DisplayPort 1.2 is enabled if using the DisplayPort++ port.
- If using a DisplayPort++ to HDMI adapter, ensure it is a passive adapter.
- For MacBooks with M1 chipset, only a single external monitor is supported.

5.2 Laptop Not Charging

- Confirm your laptop supports power delivery via its Thunderbolt 3 port.
- If your laptop requires more than 85W, it may charge slower or require its original power adapter for full performance.

5.3 Thunderbolt Device Not Recognized (Windows)

On Windows, you may receive a security notification when connecting a new Thunderbolt device. Click 'OK' and then select 'Always Connect' in the Thunderbolt software to grant permission for the dock and its features to function correctly.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Kensington SD5200T Docking Station:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the dock to extreme temperatures or humidity.
- Ensure proper ventilation around the device.
- Handle cables and connectors with care to prevent damage.

7. SPECIFICATIONS

| Attribute | Value |
|--------------------|--|
| Brand | Kensington |
| Model Number | K38300NA |
| Item Weight | 11.2 ounces |
| Product Dimensions | 4.63"L x 4.13"W x 0.63"H |
| Hardware Interface | Thunderbolt |
| Total USB Ports | 1 (plus 2 USB 3.0 and 1 USB-C data port) |
| Number of Ports | 5 (excluding power and lock slot) |
| Wattage | 85 watts |

8. WARRANTY AND SUPPORT

The Kensington SD5200T Thunderbolt 3 Docking Station comes with 3-year coverage and lifetime Kensington technical support.

For additional support, including information on Kensington's DockWorks software, please visit the official Kensington website.

Your browser does not support the video tag.

Video 1: Official product overview of the Kensington SD5200T Thunderbolt 3 Docking Station.

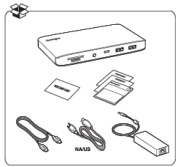
Related Documents - SD5200T

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|--|--|
|  <p>Kensington SD5760T Thunderbolt™ 4 Dual 4K Docking Station</p> <p>kensington.com/register</p> | <p>Kensington SD5760T Thunderbolt 4 Dual 4K Docking Station Installation Guide</p> <p>Installation guide for the Kensington SD5760T Thunderbolt 4 Dual 4K Docking Station, detailing setup, connections, and usage for Windows and macOS.</p> |
|  <p>Kensington SD4880P USB-C™ Quad Video 17-in-1 Driverless Docking Station</p> <p>kensington.com/register</p> | <p>Kensington SD4880P USB-C Quad Video 17-in-1 Driverless Docking Station</p> <p>The Kensington SD4880P is a 17-in-1 USB-C Quad Video Driverless Docking Station designed to expand connectivity for Thunderbolt 3, Thunderbolt 4, and USB4 laptops, supporting up to four video outputs and high-speed data transfer.</p> |
|  <p>Kensington SD5760T Thunderbolt™ 4 Dual 4K Docking Station</p> <p>kensington.com/register</p> | <p>Kensington SD5760T Thunderbolt 4 Dual 4K Docking Station - Setup and Specifications</p> <p>Comprehensive guide to the Kensington SD5760T Thunderbolt 4 Dual 4K Docking Station, covering setup, port details, display capabilities, and optional accessories.</p> |
|  <p>Kensington SD4790P USB-C™ and USB-A Quad 4K Hybrid Docking Station</p> <p>kensington.com/register</p> | <p>Kensington SD4790P USB-C & USB-A Quad 4K Hybrid Docking Station - Installation and Setup Guide</p> <p>Comprehensive guide to installing and using the Kensington SD4790P USB-C and USB-A Quad 4K Hybrid Docking Station, covering setup, ports, display configurations, software, and security.</p> |
|  <p>Kensington SD5560T Thunderbolt™ 3 and USB-C Docking Station</p> <p>kensington.com/register</p> | <p>Kensington SD5560T Thunderbolt 3 and USB-C Docking Station Installation Guide</p> <p>A comprehensive guide to installing and using the Kensington SD5560T docking station, which supports Thunderbolt 3 and USB-C, dual 4K displays, and 96W power delivery.</p> |

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SD2480T Thunderbolt™ 3 and USB-C Dual 4K Hybrid Nano Dock



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[Kensington SD2480T Thunderbolt 3 & USB-C Dual 4K Hybrid Nano Dock - Installation Guide](#)

Learn how to set up and connect your Kensington SD2480T Thunderbolt 3 and USB-C Dual 4K Hybrid Nano Dock. This guide covers power, accessory, and laptop connections, display output, and software setup.