



Seagate® BarraCuda® 510 SSD

Installation Guide



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When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual quantities will vary based on various factors, including file size, file format, features and application software. Actual data rates may vary depending on operating environment and other factors. The export or re-export of hardware or software containing encryption may be regulated by the U.S. Department of Commerce, Bureau of Industry and Security (for more information, visit www.bis.doc.gov), and controlled for import and use outside of the U.S. Seagate reserves the right to change, without notice, product offerings or specifications.

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Introduction

This document describes how to install the Seagate® BarraCuda® 510 SSD on your computer. The Seagate BarraCuda 510 SSD is a versatile NVMe SSD that is optimized for maximum storage capacity with a wide range of application utilities. It is up to 6x faster than SATA SSDs and has TCG security to keep data safe and secure. See the SSD product documentation for warranty and more details.

The BarraCuda 510 SSD comes in the M.2 2280 form factor and can be used in any computer system with an 80 mm long M.2 M-key slot.

Note

The desktop and laptop shown in this document are for demonstration purposes only. Your computer might be different than the ones shown here but the procedure is the same.

Warranty

5 years limited warranty. See:

<https://www.seagate.com/support/warranty-and-replacements/limited-consumer-warranty/>

Ensure that you review any warranty policy and instructions provided by your motherboard and computer manufacturer and you follow appropriate procedures to install your storage device. By proceeding with any installation, you agree to be solely responsible for any failure to follow any manufacturer's instructions.

Preparing for Installation

- Unpack the SSD.
- Inspect the SSD for any damages.
- Power down and power drain your computer according to the instructions provided in the computer product documentation
- Backup the data from the existing storage device.

CAUTION

Electrostatic discharge (ESD) can damage the SSD. Make sure that you install the SSD at an ESD-safe workstation. As a precaution, ground yourself to protect the device from any static electricity present in your body.

Required Tools

A suitable screwdriver and screws to fasten the M.2 SSD.

Installing the SSD

1. Open the case or cabinet.
2. Remove the existing storage devices if any.
3. Power on your computer.
4. Access the BIOS setup while the computer is booting. Usually, the computer screen displays the keys to be pressed to access the BIOS setup during the boot process. See the computer or motherboard documentation for information on how to access the BIOS.
5. Ensure that a PCIe device is set in the BIOS boot sequence or boot priority list. See the computer or motherboard documentation for details on how to use this information and how to boot from an M.2 SSD.
6. Power down the computer.
7. Locate the M.2 PCIe slot in your motherboard.

Note: The images shown here are just examples. Your computer might look different than what is shown here.

Figure 1: M.2 Slot in a Desktop

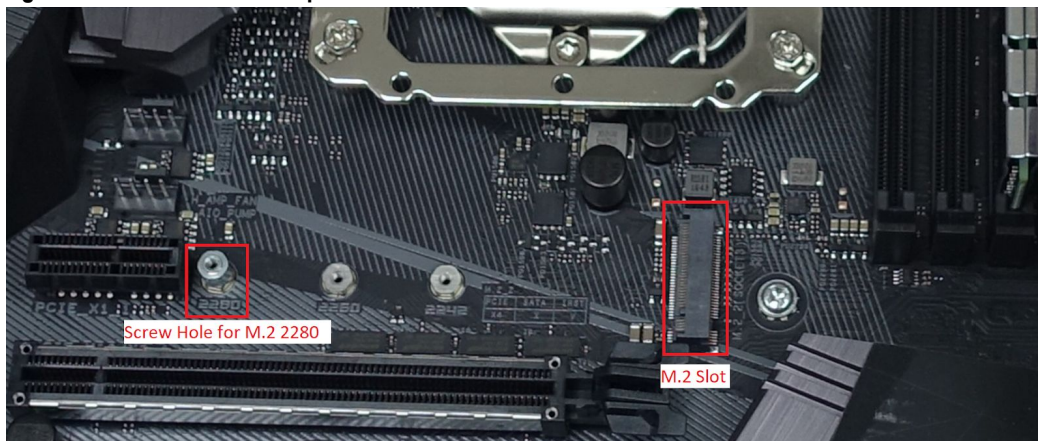
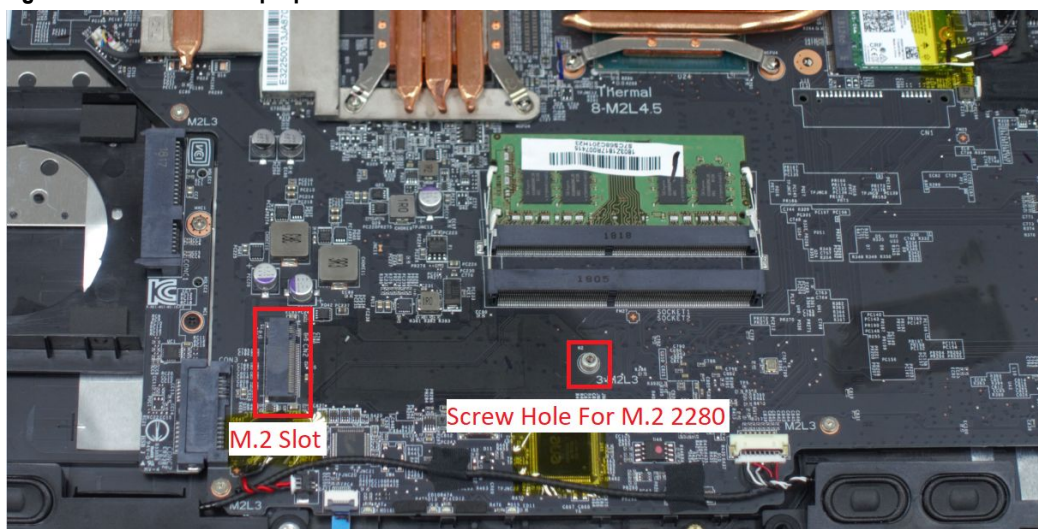


Figure 2: M.2 Slot in a Laptop



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8. Insert the BarraCuda 510 SSD with the pinside going into the M.2 slot and the label side facing the top at a 30 degree angle.

Figure 3: Seagate M.2 SSD in the M.2 Slot



9. Press the SSD down and mount it above the screw slot of the motherboard and fasten the screws.
10. Close the case or cabinet and reassemble your computer.
11. Power on your computer.
12. Start installing the Operating System on the BarraCuda 510 SSD if you want to use it as the primary drive.

SeaTools

SeaTools™ is a free software from Seagate that tests and analyses drives. It is completely data safe and easily installs on your system. You can use SeaTools in your BarraCuda 510 SSD for:

- Health Monitoring
- Drive Maintenance
- Overall Monitoring

More information and SeaTools documentation are available at:

<https://www.seagate.com/in/en/support/downloads/seatools>

DiscWizard

Seagate DiscWizard is an integrated software suite that ensures the security of all of the information on your PC. It can clone, back up the operating system, applications, settings and all of your data, while also securely destroying any confidential data you no longer need. With this software, you can back up the entire disk drive or selected partitions. Seagate DiscWizard provides you with all the essential tools to recover your computer system should a disaster occur, such as losing data, accidentally deleting critical files or folders, or suffering a complete hard disk crash. You can store backups on almost any PC storage device.

More information and DiscWizard documentation are available at:

<https://www.seagate.com/in/en/support/downloads/discwizard/>

Seagate Technology Support Services

For Internal SSD Support, visit: <https://www.seagate.com/support/products/>

For information regarding online support and services, visit: <http://www.seagate.com/contacts/>

For information regarding Warranty Support, visit: <http://www.seagate.com/support/warranty-and-replacements/>

For information regarding data recovery services, visit: <http://www.seagate.com/services-software/seagate-recovery-services/recover/>



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