

A400 SATA SSD

Kingston's A400 solid-state drive dramatically improves the responsiveness of your existing system with incredible boot, loading and transfer times compared to mechanical hard drives. Powered by a latest-gen controller for read and write speeds of up to 500MB/s and 450MB/s[1], this SSD is 10x faster than a traditional hard drive[1] for higher performance, ultra-responsive multi-tasking and an overall faster system.

Also more reliable and durable than a hard drive, A400 is built with Flash memory. There are no moving parts, making it less likely to fail than a mechanical hard drive. It is also cooler and quieter, and its shock and vibration resistance makes it ideal for notebooks and other mobile computing devices.

A400 is available in capacities up to 960GB[2] to give you all the space you need for applications, videos, photos and other important documents. You can also replace your hard drive or a smaller SSD with a drive big enough to hold all your files.

This SSD is designed for use in desktop and notebook computer workloads and is not intended for server environments.

- Fast start-up, loading and file transfers
- More reliable and durable than a hard drive
- Multiple capacities with space for applications or a hard drive replacement

Key Features

- 10x faster than a hard drive[1]

  With incredible read/write speeds, the A400 SSD will not only increase performance but can also be used to breathe new life into older systems.

- Rugged

  A400 is shock and vibration resistant for rugged reliability when used in notebooks and other mobile computing devices.

- Multiple capacities

  A400 is available in capacities up to 960GB[2] to suit anyone's needs.

- Ideal for desktops and notebooks

  A400 comes in a 2.5" 7mm form factor to fit in a wide array of systems. It is ideal for thin and light notebooks with limited space.

Specifications

Form factor	2.5"
Interface	SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Capacities[2]	240GB, 480GB, 960GB
NAND	3D
Baseline Performance[1]	Data transfer (ATTO) 240GB – up to 500MB/s read and 350MB/s write 480GB – up to 500MB/s read and 450MB/s write 960GB – up to 500MB/s read and 450MB/s write
Power Consumption	0.195W Idle / 0.279W Avg / 0.642W (MAX) Read / 1.535W (MAX) Write
Storage temperature	-40°C~85°C

Operating temperature	0°C~70°C
Dimensions	100.0mm x 69.9mm x 7.0mm (2.5”)
Weight	41g (240-480GB – 2.5”) 41.9g (960GB – 2.5”)
Vibration operating	2.17G Peak (7–800Hz)
Vibration non-operating	20G Peak (10–2000Hz)
Life expectancy	2 million hours MTBF
Warranty/support[3]	Limited 3-year warranty with free technical support
Total Bytes Written (TBW)[4]	240GB: 80TB 480GB: 160TB 960GB: 300TB

Part Numbers

2.5” (Standalone)

SA400S37/240G
SA400S37/480G
SA400S37/960G

Product Image



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1. Based on "out-of-box performance" using a SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software and usage.
2. Some of the listed capacity on a Flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash Memory Guide.
3. Limited warranty based on 3 years or SSD "Life Remaining", which can be found using the Kingston SSD Manager. A new, unused product will show a wear indicator value of one hundred (100), whereas a product that has reached its endurance limit of program erase cycles will show a wear indicator value of one (1). See kingston.com/wa for details.
4. Total Bytes Written (TBW) is derived from the JEDEC Workload (JESD219A)

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