KC400 Solid-State Drive

KINGSTON.COM/SSD

Fast, reliable performance.

Kingston's KC400 SSD is 15 times faster than a hard drive to deliver consistent performance for both compressible and incompressible data and improve responsiveness in performance-hungry applications. It uses a Phison PS3110-S10 8-channel controller and quad-core processor to speed up daily tasks and improve productivity.

KC400 provides end-to-end data path protection and SmartECC to guard data, plus SmartRefresh to protect against read errors. Data is rebuilt if there's an error, and the drive is able to recover from an unexpected power shutdown, thanks to firmware-controlled power loss management. Advances in controller technology and NAND give this drive excellent data reliability.

KC400 is backed by a limited five-year warranty[1] and legendary Kingston support, including technical teams ready to help you select the right solid-state drive for your needs, and global, industry-leading post-sales support plus Kingston's Ask an Expert programme. To monitor and manage your drive, there's the Kingston SSD Manager, a free, downloadable application available on the Kingston website.

To suit your needs, KC400 is available in 128GB, 256GB, 512GB and 1TB capacities[2].

- 15 times faster than a hard drive
- Business-class reliability with advanced data protection
- Legendary pre- and post-sales support
- Available in a range of full capacities

Features/specs on reverse ››

Kingston TECHNOLOGY

KC400 Solid-State Drive

FEATURES/ BENEFITS

> **15 times faster than a hard drive** — Increase user productivity and cut time spent on everyday tasks with KC400's impressive speeds.

> **Five-year limited warranty** — For peace of mind, KC400 is backed by a limited five-year warranty and free technical support.

> **Easy installation** — KC400 is available in an upgrade bundle kit that has everything you need for an easy installation.

> **Multiple capacities** — KC400 is available in a range of capacities, from 128GB to 1TB, to meet your needs.

SPECIFICATIONS

> **Form factor** 2.5"

> **Interface** SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0 (3Gb/s)

> **Capacities**[2] 128GB, 256GB, 512GB, 1TB

> **Controller** Phison 3110

> **Sequential Read/Write**[3]

SATA Rev. 3.0 – 128GB – up to: 550/450MB/s
256GB – up to: 550/540MB/s
512GB – up to: 550/530MB/s
1TB – up to: 550/530MB/s

> **Maximum 4k Read/Write**[3]

128GB – up to 99,000/87,000 IOPS
256GB – up to 99,000/88,000 IOPS
512GB – up to 99,000/86,000 IOPS
1TB – up to 99,000/89,000 IOPS

> **Random 4k Read/Write**[3]

128GB – up to 88,000/87,000 IOPS
256GB – up to 88,000/89,000 IOPS
512GB – up to 86,000/88,000 IOPS
1TB – up to 86,000/89,000 IOPS

> **PCMARK® Vantage HDD Suite Score** 84,000

> **Enterprise S.M.A.R.T. Tools** reliability tracking, usage statistics, life remaining, wear leveling, temperature

> **Total Bytes Written (TBW)**[4] 128GB: 150TB 0.65 DWPD[5]
256GB: 300TB 0.65 DWPD[5]
512GB: 800TB 0.87 DWPD[5]
1TB: 1600TB 0.89 DWPD[5]

> **Power Consumption** 0.255 W Idle / 0.335 W Avg / 1.22 W (MAX) Read / 3.74 W (MAX) Write

> **Storage temperature** -40°C~85°C

> **Operating temperature** 0°C~70°C

> **Dimensions** 69.9mm x 100.1mm x 7.0mm

> **Weight** 60g

> **Vibration operating** 2.17G Peak (7–800Hz)

> **Vibration non-operating** 20G Peak (10–2000Hz)

> **MTBF** 1 million hours

> **Warranty/support** Limited 5-year warranty with free technical support[1]

PART NUMBERS

SKC400S37/128G
SKC400S3B7A/128G
SKC400S37/256G
SKC400S3B7A/256G
SKC400S37/512G
SKC400S3B7A/512G
SKC400S37/1T
SKC400S3B7A/1T

1 Limited warranty based on 5 years or SSD "Life Remaining" which can be found using the Kingston SSD Manager (kingston.com/SSDManager).
2 Some of the listed capacity on a Flash storage device is used for formatting and other functions and is thus 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 at kingston.com/flashguide.
3 Based on "out-of-box performance" using a SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software and usage. IOMETER random 4k random read/write is based on 8GB partition.
4 Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).
5 Drive Writes Per Day (DWPD)