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SOLID-STATE DRIVE
KC380

Big SSD performance in a small SSD case.

Kingston's SSD*Now* KC380 1.8" solid-state drive features a small case form factor that fits in notebooks, sub-notebooks, tablet PCs and netbooks with a smaller physical device storage footprint. Lighter than a traditional hard drive, it lets users take advantage of the durability, reliability and performance improvements of Flash memory in systems currently using 1.8" hard drives and is the ultimate hard drive replacement.

KC380 consumes less power and generates less heat than a traditional HDD — at a fraction of the cost of a new system. It offers advanced data integrity protection and an award-winning SandForce® second-generation SSD processor with DuraClass™ technology. DuraClass features include DuraWrite™ and advanced wear-leveling to extend the life of the drive and garbage collection and over-provisioning for consistent performance and a longer life for your SSD and your data.

KC380 is backed by a three-year warranty, free technical support and legendary Kingston® reliability.

> 1.8" form factor
> Advanced data integrity protection built-in
> Ultimate hard disk drive (HDD) replacement

SSD*Now* KC380 is ideal for:
- Power users
- System builders
- System integrators
- Corporate environments where more system resources are in use

Kingston® TECHNOLOGY

SSD*Now* KC380

FEATURES/BENEFITS

> **Fast** — dramatic performance increase for any system upgrade
> **Endurance** — Data Integrity Protection featuring DuraClass technology
> **Durable** — DuraWrite optimizes writes to extend endurance
> **Multiple capacities** — the right capacity to meet your storage needs
> **Supports SMART** — monitors the status of your drive
> **Supports TRIM** — maintains maximum performance on compatible operating systems
> **Guaranteed** — three-year warranty, free technical support

SPECIFICATIONS

> **Form factor** 1.8" micro SATA
> **Interface** SATA Rev. 3.0 (6Gb/s), SATA Rev. 2.0 (3Gb/s), SATA Rev. 1.0 (1.5Gb/s)
> **Capacities**[1] 60GB, 120GB, 240GB, 480GB
> **Sequential Read/Write**[2] 60GB, 120GB – 550MB/s / 520MB/s
    240GB – 540MB/s / 530MB/s
    480GB – 530MB/s / 340MB/s
> **Maximum 4k Read/Write**[2] 60GB – up to 86,000/ up to 79,000 IOPS
    120GB – up to 86,000/ up to 48,000 IOPS
    240GB – up to 72,000/ up to 40,000 IOPS
    480GB – up to 72,000/ up to 18,000 IOPS
> **Random 4k Read/Write**[2] 60GB – up to 14,000/77,000 IOPS
    120GB – up to 17,000/45,000 IOPS
    240GB – up to 21,000/41,000 IOPS
    480GB – up to 21,000/13,000 IOPS
> **PCMARK® Vantage HDD Suite Score** 60,000
> **Power Consumption** 0.4W Idle / 1.2 (TYP) Read / 1.8W (TYP) Write
> **Storage temperature** -40℃ ~ 85℃
> **Operating temperature** 0℃ ~ 70℃
> **Dimensions** 78.5mm x 54mm x 5mm
> **Weight** 27.43g
> **Vibration operating** 2.17G
> **Vibration non-operating** 20G
> **MTTF** 1,000,000 Hrs
> **Warranty/support** three-year warranty with free technical support
> **Total Bytes Written (TBW)**[3]   60GB: 218TB 3 DWPD[4]
    120GB: 337TB 2 DWPD[4]
    240GB: 585TB 2 DWPD[4]
    480GB: 1562TB 3 DWPD[4]

KINGSTON PART NUMBERS

SKC380S3/60G

SKC380S3/120G

SKC380S3/240G

SKC380S3/480G

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

1 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 at kingston.com/flashguide

2 Based on "out-of-box performance." Speed may vary due to host hardware, software and usage.

3 Total Bytes Written (TBW) is derived from the JEDEC Workload (JESD219A).

4 Drive Writes Per Day (DWPD)

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