

Get more out of your computer.

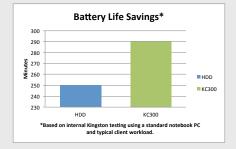
Kingston's KC300 SSD*Now* solid-state drive is one of the most power-efficient SSDs on the market. It provides up to 40 minutes more battery life than a hard drive^{*}, to let you do more work from a single charge.

KC300 features enterprise-grade SMART attributes that track wear range data, SSD life left, write amplification and total bytes written to analyse your workload and monitor the drive's health. Its Advanced Data Integrity Protection includes DuraWrite[™] and RAISE[™] for a longer life for your data and your drive.

KC300 is also available in a version that is fully compliant with the Opal specification of the Trusted Computing Group (TCG). Self-encrypting drives (SEDs) like this provide organisations with strong, easy-to-use, high-performance security built in. They are ideal for companies that are implementing centralised management software to manage security policies, password recovery, compliance logging, automatic updates and user creation/deletion.

- >One of the most power-efficient SSDs on the market
- > Advanced data integrity protection built in
- > Enterprise-grade SMART attributes allow for easy drive monitoring
- > Optional TCG Opal (60GB, 120GB and 240GB only) 1.0 compliant





Features/specs on reverse >>



SSDNow KC300

FEATURES/BENEFITS

- > Advanced power management extends notebook battery life during a typical computing session
- > Fast dramatic performance increase for any system upgrade
- > Endurance Data Integrity Protection featuring DuraClass technology
- > **Durable** DuraWrite intelligent compression engine extends the life of the SSD
- > **Dependable** RAISE reduces the number of uncorrectable errors on the drive
- > Multiple capacities the right capacity to meet your storage needs

SPECIFICATIONS

> Form factor 2.5"

- Interface SATA Rev. 3.0 (6Gb/s) with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
- > Capacities¹ 60GB, 120GB, 180GB, 240GB, 480GB
- > Controller SandForce SF2281
- > Encryption Automatic encryption (AES 128-bit)
- > Sequential read/write² SATA Rev. 3.0 60GB up to: 525/500MB/s 120GB - up to: 525/500MB/s 180GB - up to: 525/500MB/s 240GB - up to: 525/500MB/s 480GB - up to: 525/500MB/s
- Maximum 4k read/write² 60GB up to 85,000/64,000 IOPS 120GB – up to 85,000/64,000 IOPS 180GB – up to 85,000/64,000 IOPS 240GB – up to 85,000/52,000 IOPS 480GB – up to 73,000/32,000 IOPS
 Random 4k read/write² 60GB – up to 10,500/64,000 IOPS 120GB – up to 17,000/64,000 IOPS 120GB – up to 17,000/64,000 IOPS 240GB – up to 32,000/56,000 IOPS
- 480GB up to 47,000/22,000 IOPS
- > PCMARK® Vantage HDD Suite score 60,000
- > Enterprise SMART tools reliability tracking, usage statistics, life remaining, wear levelling, temperature

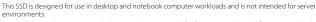
3	60GB – 193TB 3 DWPD ⁴
	120GB - 290TB 2 DWPD4
	180GB - 531TB 3 DWPD ⁴
	240GB – 765TB 3 DWPD ⁴
	480GB - 1,785TB 3 DWPD4

> Power consumption

> Total Bytes Written (TBW)³

- 0.08 W idle / 0.16 W avg / 1.73 W (MAX) read / 2.49 W (MAX) write
- > Storage temperature -40°C ~ 85°C
- > **Operating temperature** $0^{\circ}C \sim 70^{\circ}C$
- > **Dimensions** 69.8mm x 100.1mm x 7.0mm
- > Weight 60GB, 120GB, 180GB, 240GB 86.0g, 480GB 92.3g
- > Vibration operating 2.17G peak (7–800Hz)
- > Vibration non-operating 20G peak (10–2000Hz)
- > **MTBF** 1 million hours
- > Warranty/support 3-year warranty with free technical support





1 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. 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)
- THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE

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KINGSTON PART NUMBERS

SKC300S37A/60G stand-alone drive SKC300S37A/120G stand-alone drive SKC300S37A/180G stand-alone drive SKC300S37A/240G stand-alone drive SKC300S37A/480G stand-alone drive SKC300S3B7A/60G (upgrade bundle kit) SKC300S3B7A/120G (upgrade bundle kit) SKC300S3B7A/180G (upgrade bundle kit) SKC300S3B7A/240G (upgrade bundle kit) SKC300S3B7A/480G (upgrade bundle kit)

TCG Opal 1.0 compliant part numbers (available as custom order only)

SKC300TS37A/60G SKC300TS37A/120G SKC300TS37A/240G

BUNDLES INCLUDE

- 2.5" SSD
- 2.5" USB enclosure
- 3.5" bracket and mounting screws
- SATA power and data ca
- Hard drive cloning software⁵ and installation video (DVD)
- 7mm–9.5mm adapter



