

Get more out of your computer.

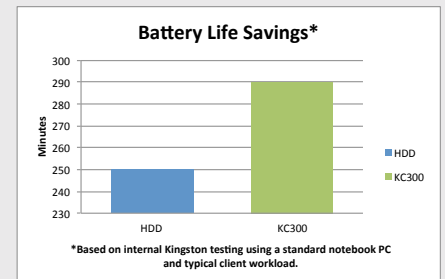
Kingston's KC300 SSDNow solid-state drive is one of the most power-efficient SSDs on the market. It provides up to 40 minutes more battery life than a hard drive*, to let you do more work from a single charge.

KC300 features enterprise-grade SMART attributes that track wear range data, SSD life left, write amplification and total bytes written to analyze 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 organizations with strong, easy-to-use, high-performance security built in. They are ideal for companies implementing centralized 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

SSDNow KC300



Features/specs on reverse >>

SSDNow KC300

FEATURES/BENEFITS

- > **Advanced Power Management** — extends notebook battery life during 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)
- > **Capacities**¹ 60GB, 120GB, 180GB, 240GB, 480GB
- > **Controller** SandForce SF2281
- > **Encryption** Automatic Encryption (AES 128-bit)
- > **Sequential Read/Write**² 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/Write**² 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/Write**² 60GB – up to 10,500/64,000 IOPS
120GB – up to 17,000/64,000 IOPS
180GB – up to 32,000/56,000 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 leveling, temperature
- > **Total Bytes Written (TBW)**³ 60GB – 193TB 3 DWPD⁴
120GB – 290TB 2 DWPD⁴
180GB – 531TB 3 DWPD⁴
240GB – 765TB 3 DWPD⁴
480GB – 1,785TB 3 DWPD⁴
- > **Power Consumption**
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°C ~ 70°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



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)

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE

©2014 Kingston Technology Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. MKD-261.4US



SOLID STATE DRIVE
FLASH STORE
DURABLE
PC
DURABLE
MEMORY
FLASH
STORE
UPGRADE KIT
STORE
SOLID STATE DRIVE
PERFORMANCE



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 cable
- Hard drive cloning software⁵ and installation video (DVD)
- 7mm–9.5mm adapter

