

**SSD KINGSTON  
3840 GB Serial  
ATA III 2.5 Write  
speed 530 MB/s  
Read speed 560  
MB/s 7008xTBW  
rating MTBF  
2000000 h  
SEDC600ME/3840G**



Model: SEDC600ME/3840G

Manufacturer: KINGSTON

EAN: 740617347319

Product Code: 25012

**R37,094**

Kingston's DC600M and DC600ME SSDs are fourth-generation data center SATA 3.0, 6Gbps SSDs utilising 3D TLC NAND intended for "mixed use" server workloads. Both are well suited for a wide variety of server applications and include on-board power loss protection via hold-up capacitors. DC600M and DC600ME are designed to protect data against unexpected power failure and to ensure the drive will successfully reinitialise on the next power-up of the system. Designed to deliver low

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latency and IO consistency for system integrators, hyperscale data centers and cloud service providers.

DC600ME features AES 256-bit encryption and supports TCG OPAL 2.0 security standards.

Capacities available from 480GB–7.68TB\* to meet your data storage requirements.

### **Designed for data center environments**

Optimised to meet the high demands of server RAID applications with low latency and IO consistency as the key design criteria.

### **Hardware-based PLP**

Power loss capacitors to protect user data against unexpected power loss and enhance performance.

### **Delivers excellent quality of service (QoS)\***

Optimised performance predictability to meet service-level agreements (SLAs).

### **AES 256-bit Encryption with DC600ME**

Protect sensitive data with support for AES 256-bit hardware-based encryption and TCG Opal 2.0 security standards with DC600ME.

### **Capacities up to 7.68TB**

Upgrade and manage storage with capacities up to 7.68TB.\*

- Designed for data center environments
- Hardware-based power loss protection
- Latency and IOPS consistency
- AES 256-bit encryption with DC600ME
- Capacities of up to 7.68TB\*

\*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 Guide](#) at \_\_\_\_\_

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kingston.com/flashguide.

\*\* Quality of service (QoS) of an SSD refers to the consistency and predictability of latency (response time) and IOPS (IOs per second) performance while servicing a read/write workload. QoS metrics demonstrate that, given a worst-case workload tested over a period of time, an SSD's latency and IOPS profiles stay within a specified range without having unexpected outliers causing a sudden drop in application performance.

\*\*\* Measurement taken once the workload has reached a steady state but including all background activities required for normal operation and data reliability.

\*\*\*\* Based on 1.92TB capacity.

\*\*\*\*\* Workload based on FIO, random aligned 4KB QD=1 workload. Quality of service is measured as the time taken for 99.999 percentile of commands to finish the round trip from host to drive and to host. Typical latency is measured as the time taken for 99.9 percentile of commands to finish the round trip from host to drive and to host.

\*\*\*\*\* Total bytes written (TBW) is derived from the JEDEC Enterprise Workload (JESD219A).

Summary: Kingston Technology 3840G DC600ME (Mixed-Use) 2.5" Enterprise SATA SSD. SSD capacity: 3.84 TB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 530 MB/s, Data transfer rate: 6 Gbit/s, Component for: Server/workstation | Vendor Homepage:

<https://www.kingston.com/> | Component for: Server/workstation | Data transfer rate: 6 | H/W PLP function: Yes | Hardware encryption: Yes | Hot-Plug support: Yes | Interface: Serial ATA III | Mean time between failures (MTBF): 2000000 | Memory type: 3D TLC NAND | Random read (4KB): 94000 | Random write (4KB): 59000 | Read latency: 130 | Read speed: 560 | S.M.A.R.T. support: Yes | Security algorithms: 256-bit AES | SSD capacity: 3840 | SSD form factor: 2.5" | Target workload: Mixed Use (MU) | TBW rating: 7008 | Use conditions: Server/Enterprise | Write latency: 70 | Write speed: 530 | Power consumption (average): 1.45 | Power consumption (idle): 1.3 | Power consumption (read): 1.6 | Power consumption (write): 3.6 | Depth: 100.1 | Height: 7 | Weight: 71 | Width: 69.85 | Package depth: 9.14 | Package height: 184.15 | Package type: Hanging box | Package weight: 93.2 | Package width: 129.54 | Non-operating vibration: 20 | Operating temperature (T-T): 0 - 70 | Operating vibration: 2.17 | Storage temperature (T-T): -40 - 85 | Country of origin: China/Taiwan | Master (outer) case gross weight: 1009.98 | Master (outer) case height: 69.85 | Master (outer) case length: 203.2 | Master (outer) case width: 135.89 | Products per master (outer) case: 10 | Units per Pallet: 0 | Units per Shipping Box: 1 | Unit Calculated Volume: 0.0001167 | Unit Calculated Weight: 0.09

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