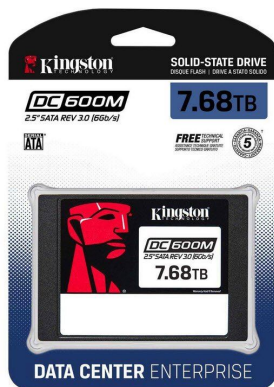


HD-KN7680DC600M

Kingston DC600M 7680Gb 2.5" SATA3(6Gb/s) 3D TLC Enterprise Solid State Drive (Order on request)

Product Overview

Kingston SEDC600M/7680G enterprise Data Center DC600M (Mixed-use) series - designed for 24x7 business-critical applications, firmware-controlled PLP (Power Loss Protection) with Tantalum Capacitors, with 256bit AES encryption + SmartECC to protect against read errors, with Enterprise SMART Tools - 7680Gb 2.5" SATA6G 3D TLC SSD, read: 560mb/sec / write 530mb/sec, Random Read/Write 4K: 94000/34000 ioPS, 2 millions MTBF, 1 DWPD with 14016TB TBW - (Order on request)



Specifications

Overview:

Kingston's DC600M SSD is a fourth-generation data center SATA 3.0, 6Gbps SSD with 3D TLC NAND intended for "mixed use" workloads. The DC600M is suited for use in high-volume rack-mount servers and includes hardware-based on-board PLP. Via power loss capacitors, DC600M protects data against unexpected power failure to reduce the possibility of data loss and ensure that the drive will successfully re-initialise on the next power-up of the system. DC600M is designed to deliver latency and IOPS consistency for system integrators, hyperscale data centers and cloud service providers.

Features:

- Hardware-based power loss protection
- Latency and IOPS consistency
- AES 256-bit self-encrypting drive

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 self-encrypting drive

Built-in protection to safeguard important data.

Specifications:

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Product Specification Sheet

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Specifications

Product Code	HD-KN7680DC600M
Form factor	2.5"
Interface	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Capacities	7680G
NAND	3D TLC
Self-Encrypting Drive (SED)	AES 256-bit encryption
Sequential Read/Write	560MBs/530MBs
Steady-state 4k random read/write	94, 000/34, 000 IOPS
Quality of service (latency)(99.999)	Read/Write
	240/170 uSec
Typical latency - read/write	
Enterprise SMART tools	Reliability tracking, usage statistics, life remaining, wear levelling, temperature
Endurance	14016TBW, 1 DWPD (5 years), 1.66 DWPD (3 years)
Power consumption	Idle: 1.30W
	Average: 1.45W
	Max read: 1.6W
	Max write: 3.6W
Storage temperature	-40 degreesC ~ 85 degreesC
Operating temperature	0 degreesC ~ 70 degreesC
Dimensions	69.9mm x 100mm x 7mm
Weight	92.34g
Vibration operating	2.17G Peak (7-800Hz)
Vibration non-operating	20G peak (10-2000Hz)
MTBF	2 million hours

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HD-KN7680DC600M-Kingston-DC600M-7680Gb-2-5-SATA3-6Gb-Buy-p-279295.php>

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Product Specification Sheet

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