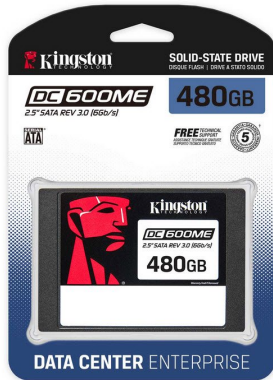


SEDC600ME/480G

Kingston Data Center Series (DC) DC600ME 480GB (Mixed-Use) TCG Opal 2.5" Enterprise SATA Solid State Drive

Product Overview

Kingston Data Center Series (DC) DC600ME 480GB (Mixed-Use) TCG Opal 2.5" Enterprise SATA SSD



Specifications

Overview:

Kingston's DC600M SSD Series provides high-performance storage solutions for data centers, system integrators and more. Delivering consistent latency and reliability, the drives were designed for mixed-use workloads, featuring 3D TLC NAND, hardware-based power loss protection and capacities of up to 7.68TB, making them ideal for enterprise applications. For additional security, DC600ME is available with AES 256-bit encryption and supports TCG OPAL 2.0 security standards.

Features:

- 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

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.

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Product Specification Sheet

Capacities of up to 7.68TB

Upgrade and manage storage with capacities of up to 7.68TB.

Specifications:

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Specifications

Product Code	SEDC600ME/480G
Form factor	2.5 inch
Interface	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Capacity	480GB
NAND	3D TLC
DRAM Cache	Yes
Sequential read/write	480GB - 560MBs/470MBs
Steady-state 4k random read/write	480GB - 94, 000/41, 000 IOPS
Quality of service (latency)(99.999)	Read/Write
	480GB - 500/130 uSec
Typical latency - read/write	
Hot-plug capable	Static and dynamic wear levelling
Enterprise SMART tools	Reliability tracking, usage statistics, life remaining, wear levelling, temperature
Hardware-based power loss protection	Yes
Endurance (TBW)	480GB - 876TBW, 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
UBER	<=10 -17

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/SEDC600ME-480G-Kingston-Data-Center-Series-DC-DC600ME-Buy-p-324275.php>

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