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Product Specification Sheet

SEDC600M/1920G

Kingston DC600M 1920G (Mixed-Use) 2.5" Enterprise SATA Solid State Drive

Product Overview

Kingston DC600M 1920G (Mixed-Use) 2.5" Enterprise SATA SSD, Data Center SSD Series (DC)



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:

- Designed for data center environments
- Hardware-based power loss protection
- Latency and IOPS consistency

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).

Specifications:

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Specifications	
Product Code	SEDC600M/1920G
Form factor	2.5 inch
Interface	SATA Rev. 3.0 (6Gb/s) - with backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Capacity	1920GB
NAND	3D TLC
DRAM Cache	Yes
Sequential Read/Write	1, 920GB - 560MBs/530MBs
Steady-state 4k random read/write	1920GB - 94, 000/78, 000 IOPS
Quality of service (latency)3, 4, 5(99.999)	Read/Write
	200/300 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 Endurance	1920GB - 3504TBW, 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/SEDC600M-1920G-Kingston-DC600M-1920G-Mixed-Use-2-5-Enterprise-SATA-Solid-State-Drive-p-305415.php

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