Kingston Technology 7.68TB DC3000ME U.2 PCIe 5.0 NVMe TCG Opal Enterprise SSD

Model: SEDC3000ME/7T6

Manufacturer: KINGSTON

EAN: 740617347852

Product Code: 1433382

R97,194

PCIe 5.0 NVMe U.2 for Server Applications

Kingston’s DC3000ME U.2 data center SSD features a high-speed PCIe 5.0 NVMe interface and utilizes 3D eTLC NAND, making it well suited for a wide range of server applications such as AI, HPC, OLTP, databases, cloud infrastructure and edge computing. DC3000ME includes on-board power loss protection to safeguard data in the event of sudden power loss and AES 256-bit encryption for ultimate data security. DC3000ME utilizes the latest high-speed PCIe 5.0 interface and is backward-

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compatible with PCIe 4.0 servers and backplanes. Like all of Kingston’s data center SSDs, DC3000ME is designed to deliver I/O consistency and low latency as the key design criteria that system integrators, hyperscale data centers and cloud service providers can depend on. DC3000ME is offered in 3.84TB, 7.68TB, 15.36TB and 30.72TB* capacities and is backed by Kingston's legendary technical support and a 5-year limited warranty.

Applications and workloads

DC3000ME is ideal for running a wide range of server applications and workloads including:

- AI
- HPC
- Cloud services
- Edge computing
- Software defined storage
- RAID
- General server use

Enterprise PCIe 5.0 performance

Delivers I/O consistency and low latency with sustained speeds of up to 14,000MB/s read and 2,800,000 read IOPS**.

Optimal storage and efficiency

High capacity options available offering an exceptional balance of consistent I/O delivery and ultra-high performance. Optimized to handle a wide range of server workloads efficiently.

On-board Power Loss Protection (PLP)

Enterprise-class protection to reduce possibility of data loss or corruption on ungraceful power fails including NVMe-MI 1.2b out-of-band management, end-to-end data protection, TCG Opal 2.0.

AES 256-bit encryption

Secure sensitive data with AES 256-bit hardware-based encryption and TCG Opal 2.0.

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