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Kingston 4096G KC3000 NVMe M.2 SSD PCIe 4.0

SKU / Model: SKC3000D/4096G

Product overview

KC3000 PCIe 4.0 NVMe M.2 SSD Kingston KC3000 PCIe 4.0 NVMe M.2 SSD delivers next-level performance using the latest Gen 4x4 NVMe controller and 3D TLC NAND. Upgrade the storage and reliability of your system to keep up with demanding workloads and experience better performance with software applications such as 3D rendering and 4K+ content creation. With formidable speeds up to 7,000MB/s1 read/write, it ensures improved workflow in high-performance desktop and laptop PCs making it ideal for power users who require the fastest speeds on the market. SPECIFICATIONS Form Factor M.2 2280 Interface PCIe 4.0 x4 NVMe Capacities2 512GB, 1024GB, 2048GB, 4096GB Controller Phison E18 NAND 3D TLC DRAM Cache Yes Sequential read/write 512GB 7,000/3,900MB/s 1024GB 7,000/6,000MB/s 2048GB 7,000/7,000MB/s 4096GB 7,000/7,000MB/s Random 4K read/write1 512GB up to 450,000/900,000 IOPS 1024GB up to 900,000/1,000,000 IOPS 2048GB up to 1,000,000/1,000,000 IOPS 4096GB up to 1,000,000/1,000,000 IOPS Total Bytes Written (TBW)3 512GB 400TBW 1024GB 800TBW 2048GB 1.6PBW 4096GB 3.2PBW Power consumption 512GB 50mW idle / 0.34W avg / 2.7W (MAX) read / 4.1W (MAX) write 1024GB 50mW idle / 0.33W avg / 2.8W (MAX) read / 6.3W (MAX) write 2048GB 50mW idle / 0.36W avg / 2.8W (MAX) read / 9.9W (MAX) write 4096GB 50mW idle / 0.36W avg / 2.7W (MAX) read / 10.2W (MAX) write Storage temperature -40℃~85℃ Operating temperature 0℃~70℃ Dimensions 80mm x 22mm x 2.21mm (512GB-1024GB) 80mm x 22mm x 3.5mm (2048GB-4096GB) Weight 512GB-1024GB 7g 2048GB-4096GB 9.7g

Specifications

Vendor Part Number: SKC3000D/4096G
UPC: 740617324297
Manufacturer: Kingston
Category: Storage
Subcategory: Solid State Drives
Product Type: PCI-Express Solid State Drives (SSD)
Unit of Measure: EA

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