



**SSD MICRON
SSD series 7500
PRO 7.68TB PCIe
Gen4 NVMe
NAND flash
technology TLC
Write speed
5900 MBytes/sec
Read speed
7000 MBytes/sec
Form Factor U.3
TBW 14016 TB
MTBF 2000000
hours
MTFDKCC7T6TGP-
1BK1DABYYR**

Model: MTFDKCC7T6TGP-1BK1DABYYR

Manufacturer: MICRON

Product Code: 40443

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R25,763

The world's most advanced mainstream data center SSD

The Micron 7500 SSD is the world's first mainstream data center SSD with 200+ layer NAND. Micron's industry-first 232-layer NAND enables class-leading performance and higher power efficiency. It delivers best in class 6x9s QoS, with low and consistent sub-1 millisecond latency to enable rapid, reliable responsiveness for demanding data center workloads.

The Micron 7500 SSD accelerates workloads with class-leading PCIe® Gen4 speed in a U.3 form-factor with capacities ranging from 800GB to 15.36TB. It provides superior performance for workloads, such as AI, databases, content delivery, real-time analytics, social media platforms, cloud computing and virtualization.

A secure drive for an open compute world, the Micron 7500 SSD includes broad Open Compute Project (OCP) 2.0 support on its standard firmware. OCP provides intelligent management that facilitates rapid and proactive resolution of common data center challenges. The Micron 7500 SSD helps keep your data safe with key security features, like SPDM 1.2 attestation, SHA-512 and RSA standards, and Micron's Secure Encrypted Environment (SEE) which provides dedicated processing hardware with physical isolation for improved security.

The world's most advanced mainstream data center SSD

Leading-edge Micron technology and NAND deliver broad OCP standards support, efficiency and security. Micron 232-layer NAND enables increased performance and includes a 6-plane architecture with independent wordline read (iWL), which helps provide best-in-class random read latency that is up to 83% lower than competition. The Micron 7500 provides broad OCP 2.0 support for management at scale. Micron SEE and advanced security capabilities help keep your data safe.

Creating a new class of sub-1ms 6x9s latency drives

Low and consistent latency enables rapid, reliable responsiveness for demanding data center

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workloads. The Micron 7500 SSD has sub-1 millisecond latency for 6x9s QoS and provides predictable performance for demanding workloads with increasing needs for low latency. The Micron 7500 SSD also has best-in-class 4K, random read latency versus competition, with RocksDB latency showing up to 54% better application response times than competing SSDs.

Accelerate your workloads with class-leading Gen4 speed

Superior performance for workloads, such as AI, databases, content delivery, real-time analytics, social media platforms, cloud computing and virtualization. The Micron 7500 drives RocksDB performance up to 2.1x better than other mainstream SSDs and has class-leading performance that beats the competition in random and sequential reads and writes.

Summary: Micron 7500 PRO. SSD capacity: 7.68 TB, SSD form factor: U.3, Read speed: 7000 MB/s, Write speed: 5900 MB/s, Component for: Server/workstation | Vendor Homepage:

<https://www.micron.com/products/storage/ssd/data-center-ssd/7500-ssd> | SSD capacity: 7680 | SSD form factor: U.3 | Interface: PCI Express 4.0 | NVMe: Yes | NVMe version: 2.0b | Memory type: 3D TLC NAND | Component for: Server/workstation | Write speed: 5900 | Read speed: 7000 | Random read (4KB): 1100 | Random write (4KB): 215 | Read latency: 70 | Write latency: 15 | PCI Express interface data lanes: x4 | S.M.A.R.T. support: Yes | Hot-Plug support: Yes | Security algorithms: TCG Enterprise | Width: 70.1 | Depth: 100.45 | Height: 15 | Weight: 200 | Operating temperature (T-T): 0 - 70 | Unit Calculated Weight: 0.2 | Product Net Weight: 0.2 | Unit Calculated Volume: 0.000105 | Name: SSD PCIE G4 U.3 NVME 7.68TB/7500 PRO MTFDKCC7T6TGP MICRON | SSD series: 7500 PRO

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