HARDWARE TECHNICAL DATASHEET

Enterprise & Client Internal Solid State Drives (SSD)

Crucial T700 PCIe Gen5, T500 PCIe Gen4, and P3 Plus NVMe M.2 2280 Enterprise Storage Series.

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Executive Summary

High-throughput solid-state storage solutions engineered for heavy workstation, database, virtualization, and gaming workloads. Powered by Micron advanced 232-layer TLC NAND technology, featuring integrated thermal copper dissipators and comprehensive power-loss protection.

> **Key Insight:** Delivers sequential read throughput up to 14,500 MB/s and random IOPS up to 1,500,000 for zero-latency database indexing and video post-production.

Performance Matrix: Internal SSD Series

Model Series	Form Factor & Interface	Sequential Read / Write	Endurance (TBW)
Crucial T700 Flagship	M.2 2280 · PCIe Gen5 x4 NVMe 2.0	14,500 MB/s / 12,700 MB/s	Up to 2,400 TBW (4TB Model)
Crucial T500 Performance	M.2 2280 · PCIe Gen4 x4 NVMe 2.0	7,400 MB/s / 7,000 MB/s	Up to 1,200 TBW (2TB Model)
Crucial P3 Plus Commercial	M.2 2280 · PCIe Gen4 x4 NVMe 1.4	5,000 MB/s / 4,200 MB/s	Up to 800 TBW (2TB Model)
Crucial BX500 SATA III	2.5-inch 7mm · SATA 6.0 Gb/s	540 MB/s / 500 MB/s	Up to 720 TBW (2TB Model)

Compliance, Verification & Authorized Channel Support

100% Genuine authorized distribution. Covered by 5-Year Limited Manufacturer Warranty with localized Dubai warranty exchange.

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