For Data Center Applications That Must Respond in Microseconds

The Micron® 9400 NVMe™ SSD ingests and accelerates data at leading speeds

Treat precious data like the valuable commodity it is.
Leverage Micron's new performance benchmark in data center PCIe Gen4 storage to deliver a true competitive advantage.

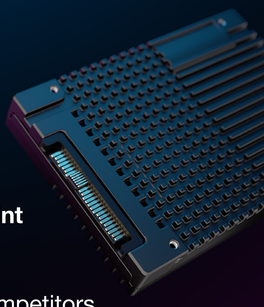
Industry-leading metrics for the Micron® 9400 NVMe™ SSD

↑ **Up to 66% faster** sequential read and write performance than competitors – up to 7 GB/s[1]

↑ **Up to 77% more power efficient** than the Micron 9300 – reduces TCO[2]

No read or write compromises
Strong, end-to-end read and write performance

Best in class[1]



1.6M read IOPS & 600K write IOPS
– Random read and write performance

2X max storage & 1/2 the server footprint
– Capacities[3] from 6.4TB up to 30TB+

Up to 2.3X better performance than competitors
– For real-world, mixed-workload applications

Up to 3.2X better read latency than competitors
– Consistent to 6x9s[4]

Why Micron matters for next-gen data centers

Micron is the ideal partner for data center storage purpose-built for demanding workloads. With 40+ years of semiconductor manufacturing expertise, we know SSDs and memory from start to finish. Gain access to our global network where we deliver comprehensive collaboration, support and quality assurance throughout the product lifecycle.

The Micron® 9400 NVMe™ SSD
Learn how the 9400 outperforms competitors for mission-critical workloads at micronpg.com/9400

Sources

[1] Best-in-class and competitive comparisons in this document were made based on other leading PCIe Gen4 Data Center U.2/U.3 NVMe SSDs based on data center market share as noted in the Forward Insights SSD Supplier Status Q2/22 report and available on the open market at the time of this document's initial publication.

[2] 77% power efficiency improvement is vs the Micron 9300 SSD. Efficiency is defined as performance per watt.

[3] The Micron 9400 SSD 30.72TB capacity is its largest option and is the largest available server SSD capacity available in the open market as of the time of this document. 1GB = 1 billion bytes; formatted capacity is less.

[4] Latency was measured using 7.68TB SSDs at queue depth (QD) = 256 with FIO (additional details on FIO are available here: https://fio.readthedocs.io/en/latest/).

[5] Performance analysis and hardware configuration details in the Micron tech brief: Micron 9400 NVMe SSD Aerospike Performance

[6] Performance analysis and hardware configuration details in the Micron tech brief: Micron 9400 NVMe SSD RocksDB Performance

[7] Performance analysis and hardware configuration details in the Micron tech brief: Micron 9400 NVMe SSD Noisy Neighbor Performance Test

[8] Performance analysis and hardware configuration details in the Micron white paper: Examining Micron 9400 NVMe SSD Performance With NVIDIA Magnum IO GPUDirect Storage Platform