Client and enterprise NVMe SSDs

Built for your storage needs

Micron designs and manufactures storage solutions that are optimized from the storage core to the application level. When your customers demand proven SSDs for next-generation data centers, cloud computing and workforce laptops, Micron and its solutions are hard to beat.

Purpose built

Storage solutions optimized for workloads like cloud computing, AI, streaming media, data center and workstations.

People powered

Accessible product experts listen, access, suggest, embed and scale the best-fit storage from our proven portfolio.

Vertically integrated

Micron product development mitigates market volatility with in-house design, manufacturing, testing and quals. From sand to NAND, under one roof.

NVMe client SSDs for workstations and laptops

- Provides up to 21x the random read and 2x the random write performance[1]
- Help relieve data bottlenecks with vastly more I/O[2] to keep your workforce productive
- Help keep workforce laptops in compliance longer
- Help keep data safe with hardware-based data-at-rest security (needed for Win11), encrypted SEDs[3], and more

NVMe enterprise SSDs for the data center

- Hugely expands I/O[2], reduces latency and greatly improves data center efficiency and performance
- Delivers up to 26x the sequential read performance[4]
- Can significantly improve power efficiency plus deliver hardware-based security of data-at-rest[5]
- Future-proof infrastructure with more form factors, high capacities, and the coming data-intensive-workload-specialized NVMe 2.0

Workload optimized storage

We design, build and validate our SSDs to improve results with demanding workloads. It's just one way Micron is built different — for your business to thrive in the tech-forward world. Here are just three workloads we can help you optimize:

Hybrid-cloud infrastructures:
Flexible, cloud-native architecture with **over 4M read IOPS and over 1.5M mixed IOPS**

Video streaming:
data access to support **thousands of concurrent ultra-HD video streams**

Active object stores:
ak GET Performance: 17,647 MiB/s with 40 threads and 4MiB

Download these tech briefs and reference architectures at **micronpg.com/whynvme**

Micron and Crucial NVMe storage:

Enterprise NVMe SSDs

Micron 9550 NVMe™ SSD
Optimized for performance-critical mixed-use workloads like artificial intelligence/machine learning and massive high-speed OLTP

Micron 7600 NVMe™ SSD
High throughput, low latency, and power efficiency — excels for workloads such as AI, cloud, and edge computing

Micron 7500 NVMe™ SSD
Setting the standard for mainstream NVMe SSDs

Micron 7450 NVMe™ SSD
Exceptionally low latency and advanced NAND

Micron 6550 ION NVMe™ SSD
Massive capacity storage for cloud architecture

Micron 5400 NVMe™ SSD
Proven architecture for legacy servers; ideal for mainstream data center applications

Client NVMe SSDs

Micron 3500 NVMe™ Client SSD
Ideal for demanding client applications in professional and scientific computing, gaming, and content creation

Micron 2500 NVMe™ Client SSD
Delivers superior performance and power efficiency for mainstream and high-end computing applications

We are here to help you with your storage needs. Visit micronpg.com/whynvme or contact your sales rep today.

1. Comparing IOPS for random reads with the Micron 5400 SATA SSD vs the Micron 6550 NVMe SSD. System variations will affect measured results.
2. NVMe SSDs have up to 65,535 I/O queues for messaging vs SATA having just one. Outstanding commands per queue: 64,000 for NVMe vs. SATA having 32. Documented many places, like https://www.techtarget.com/searchstorage/feature/NVMe-SSD-speeds-explained
3. Micron SSDs enable security of data at rest. No hardware, software, or system can provide absolute security under all conditions. Micron assumes no liability for lost, stolen, or corrupted data arising from the use of any Micron products, including those products that incorporate security features.
4. Comparing sequential reads with the Micron 5400 SATA SSD vs the Micron 6550 NVMe SSD. System variations will affect measured results.
5. Actual results depend on a variety of form factors – results may vary.

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