micron™

Data center storage engineered for success

Micron's purpose-built storage portfolio helps overcome workload challenges

Micron's proven portfolio of data center storage solutions provides the optimal balance of performance, capacity and features to help unleash even the most challenging data-centric workloads. We offer the flexibility to choose the right solution to meet specific workload needs, seamlessly integrate them into data center infrastructure and transform data into insight to gain a competitive edge.
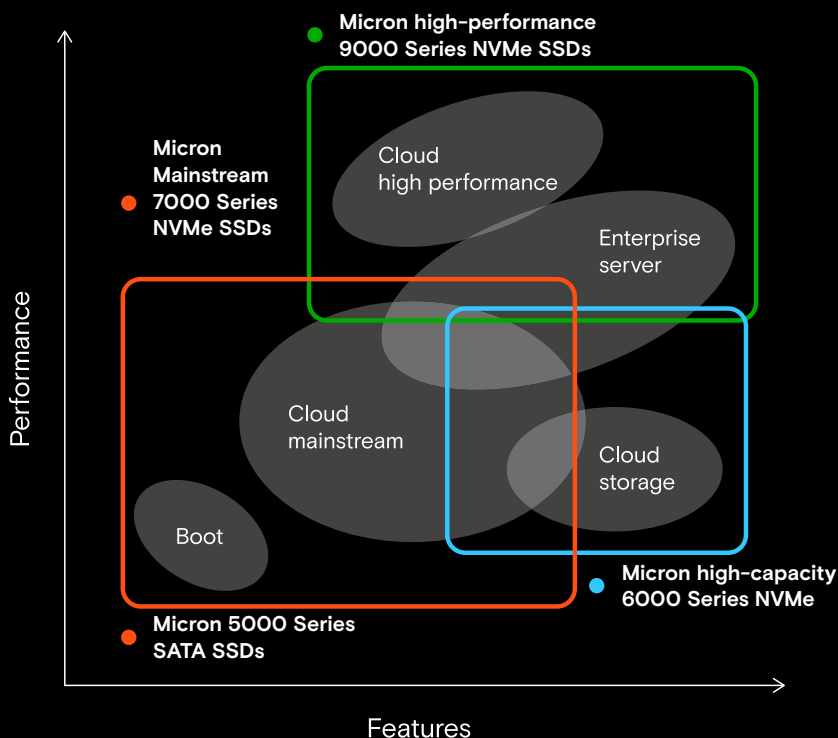

Figure 1. Micron's comprehensive SSD portfolio helps conquer challenging data center workloads.

The Micron difference

Customer support

Web support and 1:1 assistance from an experienced sales network

Consistent inventory

Consistent supply from a trusted, experienced manufacturer

45+ years of excellence

Micron's world-class leadership in innovative memory and storage solutions

Quality

Committed to both quality and innovation

Micron 9550 NVMe SSD: Maximize performance. Minimize watts.

The Micron 9550 NVMe TM SSD eclipses its PCI Gen5 competitors[1] in AI-critical workloads, such as Graph Neural Network (GNN) training, while delivering superior power efficiency in multiple form factors and a wide range of capacities.

Ideal for mission-critical applications like:

- Artificial intelligence
- Machine learning
- Content delivery networks
- Massive high-speed OLTP
- High-performance computing
- Performance-focused databases

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Micron 7600 NVMe SSD: The drive for excellence

Whether powering cloud and data center infrastructures or pushing AI to the edge, the Micron 7600 is the solution to high-throughput, low-latency, power-efficient workloads.

Ideal for data center applications like:

- AI Inferencing
- Edge applications
- AI at the edge
- High-speed OLTP
- Cloud storage
- Big data
- Object storage

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Micron 7450/7500 NVMe SSDs: Delivers performance to mainstream platform functions

The Micron 7450 and 7500 NVMe SSDs are designed for mainstream data center workloads and offer form factors to support all major platform functions. These SSDs offer consistently low latency and next-generation security features like Micron's unique Secure Execution Environment.

Ideal for mainstream data center applications like:

- Boot
- Caching
- Databases
- Main data storage
- Object storage
- Software-defined storage
- Virtualization solutions

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Micron 6550 ION NVMe SSD: Storage that's data hungry, not power hungry

When building high-density AI data lakes, architects need to match capacity with high performance. The Micron 6550 delivers the superior performance that speeds AI workloads. At 60TB, the Micron 6550 delivers up to 250% better performance than competing SSDs while consuming up to 20% less power.[2] Available across E3.S, E1.L and U.2 form factors, the Micron 6550 is designed to maximize storage density and reduce data center footprints.

Ideal for applications that require massive capacity storage:

- Cloud infrastructure
- Hyperconverged infrastructure
- Content delivery networks
- Big data
- Object storage

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Micron 5400 SSD: Features Micron's proven data center architecture

The Micron 5400 SATA SSD makes it possible to get more from legacy server platforms. It is Micron's 11th generation of data center SATA SSDs, delivering a proven architecture that provides unparalleled peace of mind, reliability and endurance. This proven solution simplifies the transition to flash-based storage with stability and performance from the industry's most advanced data center SATA SSD.

Ideal for mainstream data center applications:

- Hyperconverged infrastructure
- Cloud infrastructure
- Big data
- Object storage

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Compare Micron's proven portfolio of data center storage solutions

	Micron 9550 NVMe SSD	Micron 7600 NVMe SSD	Micron 7450/7500 NVMe SSD	Micron 6550 NVMe SSD	Micron 5400 SATA SSD
SSD class	Performance NVMe	Mainstream NVMe	Mainstream NVMe	High capacity NVMe	Mainstream SATA
Workloads	Cloud high performance Enterprise server	AI inferencing Edge applications Cloud computing	Boot Cloud mainstream Enterprise server Cloud storage	AI/ML data lakes Massive storage Streaming CDN	Cloud storage Cloud mainstream Enterprise server
Capacities	3.2TB to 30.72TB	1.6TB to 15.36TB	400GB to 15.36TB	30.72TB to 61.44TB	240GB to 7.68TB
Form factors	U.2/E3.S	U.2, E3.S, E1.S	U.3, M.2	E3.S/E1.L/U.2	2.5-inch, M.2
Product highlights	• Sequential read/write performance up to 14GB/s • Random read/write performance up to 3.3M IOPS • Class-leading AI performance and power efficiency for Graph Neural Network (GNN) training • Delivers PCIe 5.0 NVMe™ server storage	• 12GB/s sequential performance for rapid data transfer6 • 2.1M IOPS random performance to accelerate database operations and mixed workloads6 • Delivers PCIe 5.0 NVMe™ server storage	• Sub-2ms latency for 99.999% quality of service • Up to 7,000MB/s read • Up to 5,900MB/s write • Up to 1,100,000 read IOPS • Up to 410,000 write IOPS	• Massive 60TB capacity in a E3.S/E1.L/U.2 form factors • Up to 14GB/s and 2 million IOPS[2] • Up to 213% better performance per watt[2] • 20% better power efficiency[2]	• 50% better reliability than typical data center SATA drives • 67% more endurance[5]

Get ahead of the competition and stay ahead with Micron

Need SSDs optimized for today's high-performance, data-intensive workloads? Let Micron storage solutions help you scale, simplify, accelerate, store and conquer data center's most challenging storage workloads. Class-leading performance, reliability and endurance are only part of the reason to choose Micron. We've been leading the pack for more than 40 years.

Get ahead and stay ahead with Micron. Learn how at microncpg.com

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