



Deliver Data at the Speed of Now

New and ever more demanding workloads are rapidly multiplying the variety, volume and velocity of data that your organization requires. Yet many IT teams must manage this deluge of data effectively with budgets that are not scaling as rapidly. SSDs can offer a way to easily modernize storage infrastructures and deliver game-changing results.

The 9200 Series NVMe SSD is Micron's flagship performance family and the second generation of NVMe drives. It delivers even more impressive performance numbers than the 9100, which was heralded by industry analysts as *"the highest performing enterprise NVMe SSD we have yet to test in our VMware environment..."*¹ With industry leading performance, the 9200 maximizes application throughput into business advantage and minimizes latencies for faster access to data.

The 9200 has the right capacity for your demanding workloads. Micron's FlexPro™ firmware architecture lets you actively tune capacity to optimize drive performance and endurance. Micron understands the importance of providing large capacity SSDs to provide smooth migrations and manage workloads, and offers 9200 SSDs in both 8TB and 11TB capacities.

Micron offers a rich portfolio of flash storage solutions for the most demanding data center deployments, including a broad range of environments, applications and workloads. From NVMe to SAS to SATA SSDs, you can optimize and scale your server and storage design with purpose-built Micron flash storage. Whether it's client-, enterprise- or cloud-based, Micron offers the breadth of product solutions necessary to meet all of your storage needs.

KEY BENEFITS

Unlock the Value of Your Data Transfer

Using the fastest of all SSD interfaces, the 9200 high-performance NVMe drives accelerate applications and breathe new life into aging infrastructures.

Optimize Your Existing Infrastructure

Micron's purpose-built flash solutions are easy to deploy and deliver bottom-line value and efficiency to business and IT operations.

Get Peace of Mind With Solid Data Protection

The 9200 has full enterprise end-to-end data path protection and power loss protection to help keep your data safe.

Accelerate Your Applications

Turn data into information and provide a higher level of service to your customers with transfer speeds up to 4.6 GB/s and read IOPS up to 1M (steady state).

Reduce Your Cost/IOPS

The 9200 delivers low cost/IOPS along with low latency.

Meet all Your Workload Endurance Requirements

The 9200 offers a broad range of endurance levels.

WHICH APPLICATIONS ARE THE BEST FIT?



BIG DATA

★★★



HIGH-PERFORMANCE
COMPUTING

★★★



VIRTUALIZATION

★★★



DATABASE
MANAGEMENT

★★★



HYPERSCALE

★★★

The 9200 SSD's solid performance and reliability delivers more value to your enterprise applications.

★ GOOD

★★ BETTER

★★★ BEST

Benefits of NVMe

Built for Nonvolatile Memory

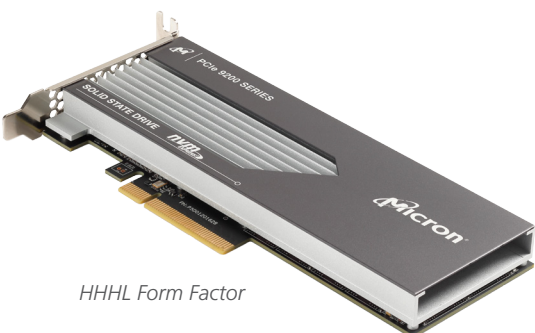
Architected from the ground-up to remove legacy layers of hard drive interfaces, it unleashes the speed of solid state nonvolatile memory.

High Performance

Streamlined efficient queuing protocol combined with an optimized command set register interface enables low latency and high performance. Data is delivered fast and efficiently, with minimal burden on the host CPU.

Industry Standard

Wide adoption driven by a strong consortium of storage technology providers and a robust ecosystem of drivers across multiple operating systems. Industry analysts are predicting strong growth for NVMe.



HHHL Form Factor



U.2 Form Factor

Key Specifications

	9200 ECO		9200 PRO		9200 MAX	
	U.2 (15mm)	HHHL	U.2 (15mm)	HHHL	U.2 (15mm)	HHHL
Capacity ²	8TB, 11TB		1.92TB, 3.84TB, 7.68TB		1.6TB, 3.2TB, 6.4TB	
Interface	PCIe Gen 3 x4 NVMe	PCIe Gen 3 x8 NVMe	PCIe Gen 3 x4 NVMe	PCIe Gen 3 x8 NVMe	PCIe Gen 3 x8 NVMe	PCIe Gen 3 x8 NVMe
Endurance Class	Read		Mixed Use		Write	
Endurance (TBW)	11.4-15.7PB		3.5-13.7PB		8.6-34.7PB	
Sequential Read (128K) ³	2.7-3.35 GB/s	4.6 GB/s	2.7-3.35 GB/s	2.7-4.6 GB/s	2.7-3.35 GB/s	2.7-4.6 GB/s
Sequential Write (128K) ³	2.4 GB/s	3.8 GB/s	2.1-2.4 GB/s	2.1-3.8 GB/s	2.1-2.4 GB/s	2.1-3.8 GB/s
Random Read (4K) ⁴	800K IOPS	1M IOPS	620K-800K IOPS	620K-1M IOPS	620K-800K IOPS	620K-1M IOPS
Random Write (4K) ⁴	95K-110K IOPS	95K-110K IOPS	130K-170K IOPS	130K-170K IOPS	255K-270K IOPS	255K-270K IOPS
Reliability (MTTF)	2 million device hours					
Advanced Features ⁵	Storage Executive SSD management, enterprise data path protection, power loss protection, XPERT features, high performance, low latency, NVM Express industry standard					

Base Part Numbers

SSD Family	Standard Part	Capacity	Form Factor
9200 ECO	MTFDHAL8TATCW-1AR1ZABYY	8TB	U.2
	MTFDHAL11TATCW-1AR1ZABYY	11TB	U.2
	MTFDHAR8TATCW-1AR1ZABYY	8TB	HHHL
	MTFDHAR11TATCW-1AR1ZABYY	11TB	HHHL
9200 PRO	MTFDHAL1T9TCT-1AR1ZABYY	1.92TB	U.2
	MTFDHAL3T8TCT-1AR1ZABYY	3.84TB	U.2
	MTFDHAL7T6TCT-1AR1ZABYY	7.68TB	U.2
	MTFDHAR1T9TCT-1AR1ZABYY	1.92TB	HHHL
	MTFDHAR3T8TCT-1AR1ZABYY	3.84TB	HHHL
	MTFDHAR7T6TCT-1AR1ZABYY	7.68TB	HHHL
9200 MAX	MTFDHAL1T6TCU-1AR1ZABYY	1.6TB	U.2
	MTFDHAL3T2TCU-1AR1ZABYY	3.2TB	U.2
	MTFDHAL6T4TCU-1AR1ZABYY	6.4TB	U.2
	MTFDHAR1T6TCU-1AR1ZABYY	1.6TB	HHHL
	MTFDHAR3T2TCU-1AR1ZABYY	3.2TB	HHHL
	MTFDHAR6T4TCU-1AR1ZABYY	6.4TB	HHHL

micron.com/ssd

1. StorageReview 2016.

2. Unformatted. 1GB = 1 billion bytes. Formatted capacity is less.

3. 128KB transfer size, steady state.

4. 4KB transfer size, steady state..

5. 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 any of the mentioned security features.

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