



GET THE PERFORMANCE¹ OF INDUSTRY-LEADING NAND AND PCIe GEN4 FOR DATA-INTENSIVE APPLICATIONS

The performance from industry-leading 176-layer NAND and PCIe Gen4 with the capacity to manage expanding workstation, gaming and corporate PC applications

The Micron 3400 SSD is a future-proof solution that will harness the mammoth I/O loads needed to manage today's 4K (and tomorrow's 8K) double- or triple-monitor, work-from-home setups that have blurred the lines between personal and work-related tasks.

The Micron 3400 SSD is ready for higher-resolution work and personal videos. Its speed and capacity make creating and saving additional copies of projects easy. It thrives on complex accounting and active asset and security management applications.

Users need the high-performance, high-capacity storage that professional applications like real-time 3D rendering, computer-aided design (CAD), and animation require.

WORLD'S MOST ADVANCED, 176-LAYER TLC NAND

The Micron 3400 SSD is built with Micron's 176-layer triple-level cell (TLC) NAND, for the power efficiency and storage density needed to drive demanding mobile applications.

MICRON 3400 SSD KEY BENEFITS

Innovative Industry-First 176-Layer NAND² on PCIe Gen4 to Tame the Most Demanding Use Cases

Micron was the first in the industry with 176-layer mass-production NAND, enabling low-power, high-speed, dense storage solutions. This amazing technology brings 35% better die-level read and write latency. Combining its 1,600 MT/s bus with PCIe Gen4, the Micron 3400 SSD offers 2x the read throughput and up to 85% higher write throughput, while also delivering up to 67% faster random read and 40% faster random write performance than our prior-generation SSD with NVMe.³

The Capacity to Unleash the Most Data-Intensive Applications

The Micron 3400 is available in capacities up to 2TB to accommodate client applications' growing footprint. Harness mammoth data to manage today's 4K (and tomorrow's 8K) video-editing challenges. Get the high-capacity storage that professional applications like real-time 3D rendering, CAD, genomic sequencing, and animation require.

Power-Efficiency for All-Day Computing

Due to its advanced power efficiency, the Micron 3400 SSD is listed on the Intel® Modern Standby Partner Portal Platform Component list and meets open labs' SSD test requirements of Intel's Project Athena. This is a critical proof point for achieving client power efficiency (the Micron 3400 SSD offers 25% lower idle power than our prior generation).

1. In this document, performance means IOPS, MB/s or both.
2. Based on Micron's 176-layer NAND announcement, see www.micron.com/176 for complete details
3. SSD prior-generation comparisons based on Micron 2300 SSD with NVMe

Data Security — End to End

The Micron 3400 SSD incorporates robust security to help keep data safe. It delivers enhanced Micron security features and capabilities to protect your data.⁴

With security features like TCG Opal 2.01 and TCG Pyrite 2.01 with Micron's end-to-end security expertise in hardware and software development, the Micron 3400 SSD gives users the confidence that their data is safe.

Through many generations of development and OEM-level testing, Micron has developed a mature hardware and software stack for SSDs, so you can trust that they will quickly run through your validation-testing gauntlet.



Micron 3400 SSD: M.2, 22 x 80mm

Micron® 3400 SSD with NVMe			
Category	Performance PCs and Notebooks		
Model	Micron 3400 SSD		
Form Factor	M.2 (22 x 80mm)		
Interface	PCIe Gen4, NVMe 1.4		
Capacities ⁵	512GB	1TB	2TB
Sequential Read (MB/s) ⁶	6,600	6,600	6,600
Sequential Write (MB/s) ⁶	3,600	5,000	5,000
Random Read (IOPS) ⁷	360K	630K	720K
Random Write (IOPS) ⁷	700K	700K	700K
Read Latency (TYP) ⁸	55µs	55µs	55µs
Write Latency (TYP) ⁸	14µs	14µs	14µs
Endurance (TBW)	300TB	600TB	1,200TB
MTTF (Million Hours)	2	2	2
Sleep/PS4 Power (mW)	<5	<5	<5
Active Idle Power (mW)	<450	<450	<450
PCIe Gen4 Active Read Power (mW)	<7,500	<7,500	<7,500
PCIe Gen3 Active Read Power (mW)	<5,500	<5,500	<5,500
Advanced Features	Hardware-based AES 256-bit encryption Power-loss protection (data at rest) Host-controlled thermal management Dynamic write acceleration RAIN & S.M.A.R.T. Power-loss signal support TCG Opal 2.01, TCG Pyrite 2.01 Micron Storage Executive management tool		

Micron 3400 SSD Part Numbers

MT FD K BA 512 I FK- 1 BC 1 A AB

Drive Capacity

- 512 = 512GB
- 1T0 = 1024GB
- 2T0 = 2048GB

Security Features

- A = Non-SED⁹ TCG Pyrite
- 5 = SED TCG OPAL

4. 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
5. Capacities: Unformatted. 1GB = 1 billion bytes. Formatted capacity is less
6. Sequential read/write: 128KB transfer size, fresh-out-of-box (FOB)
7. Random read/write: 4KB transfer size, fresh-out-of-box (FOB)
8. Read/write latency: 4KB transfer size, queue depth 1
9. SED = self-encrypting drive

micron.com/3400

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