

Why Micron for SATA SSDs

Better SSDs come from better NAND

From silicon to system, we create the memory and flash storage that powers the data center and makes your workloads faster, more reliable, more efficient, and more cost-effective.

Flex Capacity: Simple storage that scales

Our unique Flex Capacity feature allows you to adjust the drive's endurance, performance, and capacity to meet evolving workload needs – and manage fewer products.

Fast. Trusted. Easy. Secure.

Built on the proven architecture of our award-winning 5100 series that's been qualified and used by top OEMs, hyperscalers and data centers, the Micron 5200 series of SSDs is easy to qual and install.



Base Part Numbers			
Model	Standard Part	Capacity	Form Factor
5200 ECO	MTFDDAK480TDC-1AT1ZABYY	480GB	2.5"
	MTFDDAK960TDC-1AT1ZABYY	960GB	2.5"
	MTFDDAK1T9TDC-1AT1ZABYY	1.92TB	2.5"
	MTFDDAK3T8TDC-1AT1ZABYY	3.84TB	2.5"
	MTFDDAK7T6TDC-1AT1ZABYY	7.68TB	2.5"
5200 PRO	MTFDDAK960TDD-1AT1ZABYY	960GB	2.5"
	MTFDDAK1T9TDD-1AT1ZABYY	1.92TB	2.5"
	MTFDDAK3T8TDD-1AT1ZABYY	3.84TB	2.5"
5200 MAX	MTFDDAK240TDN-1AT1ZABYY	240GB	2.5"
	MTFDDAK480TDN-1AT1ZABYY	480GB	2.5"
	MTFDDAK960TDN-1AT1ZABYY	960GB	2.5"
	MTFDDAK1T9TDN-1AT1ZABYY	1.92TB	2.5"

Key Specifications

		5200 ECO Read-Intensive ≤1 DWPD					5200 PRO Read-Intensive ≤2 DWPD			5200 MAX Mixed-Use 5 DWPD			
Capacity ¹		480GB	960GB	1.92TB	3.84TB	7.68TB	960GB	1.92TB	3.84TB	240GB	480GB	960GB	1.92TB
Performance	Sequential Reads (MB/s) ²	540	540	540	540	540	540	540	540	540	540	540	540
	Sequential Writes (MB/s) ²	385	520	520	520	520	520	520	520	310	460	520	520
	Random Reads (K IOPS) ³	81	95	95	95	95	95	95	95	88	93	95	95
	Random Writes (K IOPS) ³	33	28	22	17	9.5	32	32	24.5	53	70	75	70
Endurance (TBW in PB)		0.87	1.75	3.5	7.7	8.4	2.27	5.95	17.6	2.2	4.38	8.76	17.52
Basic Attributes	Interface	SATA 6 Gb/s											
	Form Factor	2.5-inch, 7mm											
	NAND	Micron 64-layer 3D TLC NAND											
	Encryption	AES 256-bit (TCG Enterprise options available)											
Reliability	MTTF	3 million device hours											
	UBER	<1 sector per 10 ¹⁷ bits read											
	Warranty	5 years											
Environmental Characteristics	Power Consumption	Sequential write: 3.6W MAX Sequential read: 3.0W MAX Idle: 1.5W											
	Temperature (operating)	0–70°C											
	Shock (operating)	1500G, duration 0.5ms											
	Vibration (operating)	5–800Hz at 3.13g											
	Physical Characteristics	Size (L x W x H)	100.45mm x 69.85mm x 7.00mm										
	Weight	<70g											
Advanced Features ⁴	Flex Capacity, AES 256-bit encryption, TCG Enterprise configurability, power loss protection for data in-flight, end-to-end enterprise data path protection, secure firmware, adaptive thermal monitoring, easy to install (hot pluggable), Storage Executive SSD management tool, RAIN												

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

2. 128KB transfer size, steady state.

3. 4KB transfer size, steady state.

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.

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