



WON'T SET YOU BACK (NOR HOLD YOU BACK)

For the first time, the Micron® 2210 client SSD combines fast NVMe™ performance and Micron's leadership in QLC value to offer flash capabilities at HDD-like price points and capacities.

In addition to the high-density, cost-efficient QLC architecture that Micron innovated for the data center, the Micron 2210 QLC SSD includes custom dynamic write acceleration, smart power efficiencies, and advanced security with TCG Opal 2.0 and Pyrite 2.0.

Offered in the popular M.2 form factor, the 2210 SSD includes end-to-end data path protection, power loss signal support, and secure firmware.



As one of the largest and most innovative flash storage manufacturers in the world, Micron has built unique expertise in software, controller, and NAND technology. This experience is combined in the 2210 SSD.

PRICED TO MOVE YOU AHEAD

Impressive capacity and performance that won't break the bank

KEY BENEFITS

Hard Drives Beware

The Micron 2210 SSD is the affordable way to transition client storage from disk to flash. It is ideal for performance-sensitive applications where hard disk drives (HDDs) can't keep up. Solid-state reliability also helps reduce service costs and improves customer experiences over HDD storage.

QLC is the next generation of NAND after TLC, fitting today's client applications and storage for years to come. Its 4-bits-per-cell architecture enables up to 2TB of capacity for data-intensive needs at HDD-like costs.

Performance You Need in the Capacities You Want

Client devices continue to move rapidly from HDDs, driven by the right QLC NAND technology to SSDs, and now the blazing fast NVMe protocol is mainstream. These fast, cost-efficient NVMe SSDs decrease latency and improve application load times and responsiveness.

Micron's innovative caching, called dynamic write acceleration, makes writing data to your SSD even faster when you need it most.¹

Power Smart for All-Day Freedom

The Micron 2210 SSD manages power intelligently, ensuring consistent performance while keeping your notebook cool.

The Micron 2210 QLC client SSD offers greater than 15 times the power efficiency as a similar capacity, typical HDD.² Its low-power mode sips less than 2.5 mW for a responsive platform that lasts.

High Performance. Low Power. Immeasurable Value

Robust Security to Keep Your Data Safe

To combat advanced security threats, the Micron 2210 SSD delivers enhanced client-technology security features and capabilities to protect your data, with TCG Opal 2.0 and Pyrite 2.0.

Micron's end-to-end security expertise in hardware and software development gives you confidence that your data is safe.³

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.

Solid Capacity and Solid Performance That Doesn't Break the Bank

The Micron 2210 bridges the gap between the low cost of hard drives and the performance, reliability, low power and security of SSDs. It changes the game by bringing advanced SSD capabilities at HDD-like price points.

MICRON 2210 M.2 SSD



[MICRON.COM/2210](https://www.micron.com/2210)

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Micron® 2210 QLC SSD with NVMe™			
Category	Corporate and Consumer Client Devices		
Model	Micron 2210 SSD		
Form Factor	M.2 (22x80)		
Interface	PCIe Gen3 x4, NVMe 1.3		
Capacities ⁴	512GB	1TB	2TB
Seq Read (MB/s) ⁵	2,200	2,200	2,200
Seq Write (MB/s) ⁵	1,070	1,800	1,800
Random Read (IOPS) ⁶	150K	230K	265K
Random Write (IOPS) ⁶	260K	320K	320K
Endurance (TBW)	180TB	360TB	720TB
MTTF (Million Hours)	2	2	2
Sleep/PS4 Power (mW)	<2.5	<2.5	<2.5
Active Idle Power (mW)	<400	<400	<400
Active Read Power (mW)	<4,000	<4,000	<4,000

- Advanced Features³**
- AES 256-bit encryption
 - Power-loss protection (data at rest)
 - Host-controlled thermal management
 - Dynamic write acceleration
 - RAIN & S.M.A.R.T.
 - TCG Opal 2.0 or Pyrite 2.0
 - Micron Storage Executive management tool

Part Numbers		
TCG Pyrite (non-SED)	Capacity	Form Factor
MTFDHBA512QFD-1AX1AABYY	512GB	M.2
MTFDHBA1T0QFD-1AX1AABYY	1TB	M.2
MTFDHBA2T0QFD-1AX1AABYY	2TB	M.2
TCG Opal (SED)	Capacity	Form Factor
MTFDHBA512QFD-1AX15ABYY	512GB	M.2
MTFDHBA1T0QFD-1AX15ABYY	1TB	M.2
MTFDHBA2T0QFD-1AX15ABYY	2TB	M.2

SED = self-encrypting drive

1. Comparative statements relative to typical mobile hard drive
 2. BAPCo® MobileMark® 2014: Typical 1TB HDD consumed 996 mW while completing two test loops; 2210 1TB consumed 60 mW while completing two test loops
 3. Advanced features: 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
 4. Capacities: Unformatted. 1GB = 1 billion bytes. Formatted capacity is less
 5. Sequential read/write: 128KB transfer size, fresh-out-of-box (FOB)
 6. Random read/write: 4KB transfer size, fresh-out-of-box (FOB)