

Qbatta

M.2 2280 SATA III SSD w/PLP

✓ **Supports TRIM and SMART**

Unigen's Qbatta Family of M.2 SSDs supports TRIM and SMART functionalities, enabling efficient garbage collection and monitoring of drive health and performance for optimal operation.

✓ **3D TLC Toshiba NAND**

✓ **P/E Cycles: 3,000**

Qbatta SSDs offer higher storage density and endurance with a programmed erase (P/E) cycle rating of 3,000.

✓ **Power Loss Protection**

Qbatta SSDs offer complete hardware PLP (Power Loss Protection) using high-density on-board capacitors to offer complete enterprise capabilities.

✓ **Max. Sequential Read/ Write up to 570/ 510 MB/s**

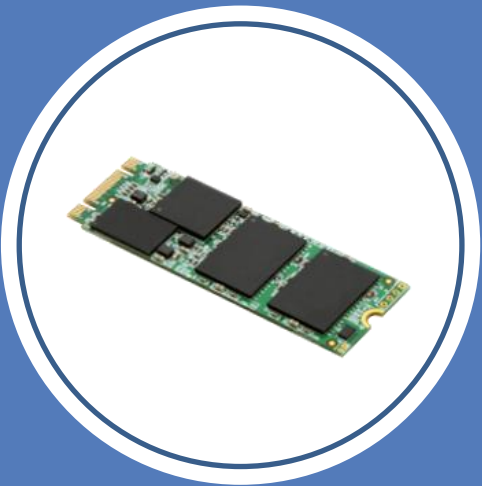
With maximum sequential read speeds of up to 570MB/s and sequential write speeds of up to 510MB/s, as measured by CDM, the Qbatta SSD delivers impressive bandwidth performance.

✓ **Random 4Kb Reads/Writes up to 76K/ 74K IOPS**

The Qbatta SSD achieves random 4Kb read speeds of up to 76K IOPS and random 4Kb write speeds of up to 74K IOPS, providing efficient performance for small file operations and multitasking scenarios.

✓ **Capacity 120GB, 240GB, 480GB, 960GB**

Part Number	Capacity
UBM2S06128HI1D1-IKI-UGN	128GB, 50% OP
UBM2S06240HI1D1-IKI-UGN	240GB
UBM2S06480HI1D1-JKI-UGN	480GB
UBM2S06960HI1D1-KKI-UGN	960GB
UBM2S06128HI1D1-IKI-UGN	128GB, 50% OP



Engineered for efficiency and durability, the Unigen Qbatta M.2 2280 SSD is powered by the SMI SM2259 controller, delivering faster access times and superior shock resistance compared to traditional hard drives. Its proprietary space manager architecture optimizes read/write speeds by eliminating firmware delays, ensuring seamless data transfers between the host and flash memory. The advanced SMI SM2259 flash processor, combined with custom firmware, enables full ATA disk emulation for broad compatibility across various operating systems. Designed for long-term reliability, the Unigen Qbatta M.2 2280 SSD boasts an impressive mean time before failure (MTBF) and is backed by a 3-year limited warranty, along with dedicated technical and engineering support for OEM clients.

Appearance	
Form Factor	M.2
Weight	Up to 90 grams
Interface	
Interface	SATA III M.2 2280
Storage	
Flash Type	TLC, iTLC
Capacity	120GB, 240GB, 480GB, 960GB
Operating Environment	
Storage Temperature	Operating: 0°C to 70°C (C-Temp) ; Operating: -40°C to 85°C (I-Temp) ; Non-Operating: -40°C to 85°C
Operating Humidity	5% to 95% , non-condensing
Shock	Operating: 1,000G. Duration 0.5ms, half sine wave
Vibration	Operating: 2.17 gms (5-700 Hz) ; Non-operating: 3.13 gms (5-800 Hz)
Power	
Power Consumption (Max Active)	up to 3600mW
Power Consumption (Idle No ALPM)	up to 1000 mW
Performance	
Sequential Read (max.)	Up to 570
Sequential Write (max.)	Up to 510
Mean Time Between Failures	> 1,750,000 hours
Technology	
Power Loss Protection	Yes
DRAM Cache	Yes