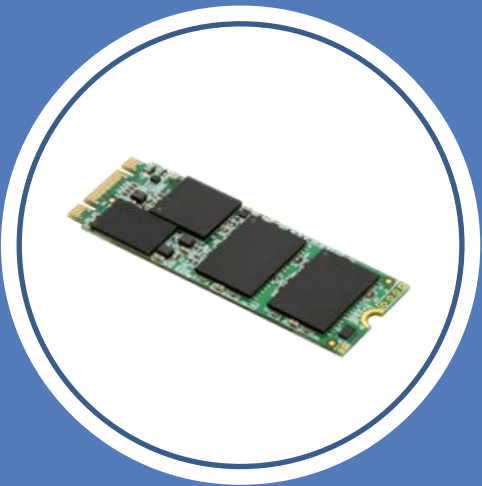# Lahitkaya

M.2 2280 SATA III SSD

Unigen™

Built with a SMI SM2259 controller, the Unigen Lahitkaya M.2 SSD is ideal for energy efficient computing, reducing access times, and provides a durable alternative to conventional hard disc drives with superior shock resistance. The proprietary space manager architecture in the controller maximizes read/write data rate performance to and from the host and flash memory, eliminating firmware delays during sector read and write operations. The SMI SM2259 flash processor, combined with tailored firmware, provides complete ATA disk emulation, which ensures complete compatibility with a wide range of operating systems. Designed for ultimate reliability, Unigen Lahitkaya SSDs have an excellent mean time before failure (MTBF) ensuring reliability over long term usage and come backed by a 3-year limited warranty and dedicated technical and engineering support for OEM clients.

✓ **Supports TRIM and SMART**
Unigen's Lahitkaya 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**
Lahitkaya SSDs offer higher storage density and endurance with a programmed erase (P/E) cycle rating of 3,000.

✓ **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 Lahitkaya SSD delivers impressive bandwidth performance.

✓ **Random 4Kb Reads/Writes up to 76K/ 74K IOPS**
The Lahitkaya 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
UBM2S06120HCD1-HTI-UGN	120GB
UBM2S06240HID1-HTI-UGN	240GB
UBM2S06240HCD1-HTI-UGN	240GB
UBM2S06480HCND1-JKI-UGN	480GB
UBM2S06480HID1-ITI-UGN	480GB
UBM2S06480HIND1-JKI-NTP	480GB
UBM2S06960HCD1-ITI-UGN	960GB

Email : sales@unigen.com
Tel: 1-510-896-1818 (Main)
1-800-826-0808 (Toll Free)

Unigen™

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	n/a
DRAM Cache	Yes