

Kartse

2.5" SATA III SSD

General

- Form Factor: 2.5"
- Capacities: 1.92TB, 960GB, 480GB, 240GB, 120GB
- Available in NAND Types
 - 3D TLC Toshiba NAND
 - P/E cycles: 3,000
- Supports TRIM, and SMART



Bandwidth Performance Specifications (CDM)

- Maximum Sequential Read: Up to 570 MB/s
- Maximum Sequential Write: Up to 510 MB/s

Bandwidth Performance Specifications (CDM)

- Random 4Kb Reads: Up to 70,000 IOPs
- Random 4Kb Writes: Up to 75,000 IOPS

Power Specifications

- Max Active: 3600mW
- Active Average (typical): ~1500mW
- Idle (typical): ~1100mW
- Slumber: ~100mW

Reliability

- Mean Time Between Failures (MTBF): >1,750,000 hours
- UBER: 1 sector per 10¹⁶ bits read
- Warranty: 3 years or max TBW whatever happens first

The Unigen Kartse 2.5" Solid State Drives are designed specifically to address Enterprise storage and computing applications where demanding performance, reliability, and the total cost of ownership (TCO) are major factors.

Built with a SMI SM2259 controller, the Unigen Kartse 2.5" 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 Kartse SSD's 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.

PRODUCT SPECIFICATIONS

Appearance	
Dimensions	100.00mm x 69.85mm x 7.00mm
Form Factor	2.5"
Interface	
Interface	SATA III 2.5"
Flash Type	TLC
Capacity	1.92TB, 960GB, 480GB, 240GB, 120GB
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 Consumption (Active)	up to 3600mw
Power Consumption (Idle)	~1100W
Sequential Read (max.)	Up to 570 MB/s
Sequential Write (max.)	Up to 570 MB/s
Mean Time Between Failures	> 1,750,000 hours
Power Failure Protection	No
DRAM Cache	Yes
Error Correction Codes	Yes

ORDERING INFORMATION

Capacity	Part Number
120GB	UB88SMR120HID1-HTI-UGN
240GB	UB88SMR240HID1-HTI-UGN
480GB	UB88SMR480HID1-ITI-UGN
960GB	UB88SMR960HID1-ITI-UGN
1.92TB	UB88SMR01T9ID1-ITI-UGN