Hood Boot SSD

M.2 2242 SATA III SSD

The Unigen Hood Series M.2 2242 SATA III Solid State Drives are designed specifically to address high endurance storage and computing applications where demanding performance, reliability, and the total cost of ownership (TCO) are major factors. Capacities range from 32GB to 256GB.

Rugged Performance

The Hood Boot drive provides excellent performance in a very small footprint for servers and embedded devices where SATA III is required.

High Endurance

Using the latest TLC NAND converted to pSLC provides up to 4PBW for the 256GB version.

Low TCO

The Hood family features a modern DRAMless Controller capable of supporting Pseudo-SLC with up to 30K PE Cycles. By using the most modern 3D high technology NAND, Hood takes advantage of the latest high-volume production to enable a lower total cost of ownership than the older SLC/MLC geometries.

Energy Efficient

With a maximum power of 1.4W and capable of sleep power at under 50mW, Hood provides maximum performance drawing minimal power from critical operations.

Secure

Performant AES-128 and AES-256 with CBC and XTS modes and are also FIPS 197 compliant. Additionally, they have a SHA-256 hashing engine, random number generator and Secure-Boot features with TCG Opal support.

Email : sales@unigen.com
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1-800-826-0808 (Toll Free)

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PRODUCT SPECIFICATIONS

Appearance	
Dimensions	42(L) × 22(W) ×3.5(H) mm
Weight	3 grams
Form Factor	M.2 2242
Interface	
Interface	SATA III
Storage	
Flash Type	pSLC
Capacity	32GB/ 64GB/ 128BG/ 256GB
Operating Environment	
Operating Temperature	0℃ to 70℃ (Operating)
Storage Temperature	-40℃ to 85℃ (Non-Operating)
Humidity	5% to 95%, non-condensing
Shock	Operating: 1,500G. Duration 0.5ms, half sine wave
Vibration	20G. Peak, 10 ~ 20KHz with 3 axis
Power	
Power Requirement	<1.4W
Power Consumption (Idle)	< 0.2W
Performance	
Sequential Read/ Write (max.)	Read: up to 375 MB/S ; Write: up to 240 MB/S
4K Random Read/Write (IOPS max.)	Read: up to 4245 IOPS ; Write; up to 3170 IOPS
Mean Time Between Failures (MTBF)	8,853,055 power-on hours
Technology	
Power Loss Protection (PLP)	Software Based
DRAM Cache	No
Error Correction Codes	Up to 66 bits correctable per 512-bytes sector (BCH)

ORDERING INFORMATION

Capacity	Product Number
32GB	UBM3H0432H0CNP1-FKU-UGN
64GB	UBM3H0464H0CNP1-HKU-UGN
128GB	UBM3H04128HCNP1-IKU-UGN
256GB	UBM3H04256HCNP1-JKU-UGN

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