

# Wasp Boot Drive

*M.2 2242 SATA III SSD*



The Unigen Wasp Series M.2 2242 SATA III Solid State Drives are ideal for energy- efficient computing, reducing access times storage and computing applications where demanding performance, reliability, and the total cost of ownership (TCO) are major factors. Capacities range from 64GB to 128GB.

## ✓ Rugged Performance

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

## ✓ TCO

The Wasp Family features a modern DRAMless Controller capable of supporting 3D TLC NAND with up to 1 DWPD. By using the most modern 3D High Technology NAND, Wasp takes advantage of the latest high-volume production NAND for the lowest possible cost

## ✓ Energy Efficient

With a maximum power of 3.7W and capable of idle power under 1.1W, the Wasp provides its maximum performance without drawing a lot of power from your critical operations.

## ✓ Secure

Performant AES-128 and AES-256 with CBC and XTS modes, the Wasp Boot drive is FIPS 197 compliant. Additionally, it has a SHA-256 hashing engine, random number generator, and Secure-Boot features with TCG Opal Support.

Type	Part Number	Capacity
M.2 2242 SATA III SSD (w/PLP)	UBM3PHE64H01D1-IKY-UGN	64GB, 75% OP
M.2 2242 SATA III SSD (w/PLP)	UBM3PHE128HI1D1-IKY-UGN	120GB, 50% OP

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	3D TLC/iTLC
Capacity	64GB/ 128GB
Operating Environment	
Operating Temperature	0°C to 70°C (Operating), -40C to 85C
Storage Temperature	-40°C to 85°C (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	<3.7W
Power Consumption (Idle)	< 1.1W
Performance	
Sequential Read/ Write (max.)	Read: up to 550 MB/S ; Write: up to 150 MB/S
4K Random Read/Write (IOPS max.)	Read: up to 45K IOPS ; Write; up to 36K IOPS
Mean Time Between Failures (MTBF)	1,500,000 power-on hours
Technology	
Power Loss Protection (PLP)	Yes
DRAM Cache	No
Error Correction Codes	Up to 66 bits correctable per 512-bytes sector (BCH)