

Specifications

	Application	Interface
	Client PCs	PCIe Gen 3.0 x 4, NVMe 1.3
	Dimension (WxHxD)	Weight
	80.15 x 22.15 x 2.38 (mm)	Max 8.0 g Weight
	Sequential Read	Sequential Write
	Up to 3,500 MB/s * Performance may vary based on system hardware & configuration	Up to 3,200 MB/s * Performance may vary based on system hardware & configuration
General Feature	Application	Capacity
	Client PCs	500GB (1GB=1 Billion byte by IDEMA less (due to formatting, partitioning, or otherwise)
	Form Factor	Interface
	M.2 (2280)	PCIe Gen 3.0 x 4, NVMe 1.3
	Dimension (WxHxD)	Weight
	80.15 x 22.15 x 2.38 (mm)	Max 8.0 g Weight
	Storage Memory	Controller
	Samsung V-NAND 3-bit MLC	Samsung Phoenix Controller
	Cache Memory	
	Samsung 512MB Low Power DDR4 SDRAM	
Special Feature	TRIM Support	S.M.A.R.T Support
	Supported	Supported
	GC (Garbage Collection)	Encryption Support
	Auto Garbage Collection Algorithm	AES 256-bit Encryption (Class 0)TCG drive)
	WWN Support	Device Sleep Mode Support
	Not supported	Yes
Performance	Sequential Read	Sequential Write
	Up to 3,500 MB/s * Performance may vary based on system hardware & configuration	Up to 3,200 MB/s * Performance may & configuration
	Random Read (4KB, QD32)	Random Write (4KB, QD32)
	Up to 480,000 IOPS * Performance may vary based on system hardware & configuration	Up to 550,000 IOPS * Performance m hardware & configuration

Random Read (4KB, QD1) Up to 19,000 IOPS * Performance may vary based on system hardware & configuration	Random Write (4KB, QD1) Up to 60,000 IOPS * Performance may vary based on system hardware & configuration
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Environment

Average Power Consumption (system level) * Average: 5.8 W * Maximum: 9 W (Burst mode) * Actual power consumption may vary depending on system hardware & configuration	Power consumption (Idle) Max. 30 mW * Actual power consumption may vary depending on system hardware & configuration
Allowable Voltage 3.3 V ± 5 % Allowable voltage	Reliability (MTBF) 1.5 Million Hours Reliability (MTBF)
Operating Temperature 0 - 70 °C Operating Temperature	Shock 1,500 G & 0.5 ms (Half sine)

Accessories

Installation Kit Not Available
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Software

Management SW Magician Software for SSD management
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Warranty

5-Year Limited Warranty or 300 TBW Limited Warranty
