

Specifications

Interface	Sequential Read
PCIe Gen 4.0 x4, NVMe 1.3c	Up to 7,000 MB/s * Performance may vary based on system hardware & configuration
Sequential Write	Warranty
Up to 5,100 MB/s * Performance may vary based on system hardware & configuration	5-Year Limited Warranty or 1200 TBW Limited Warranty
Application	Weight
Client PCs	Max 9.0 g Weight

General Feature	Application	Capacity
	Client PCs	2,000GB (1GB=1 Billion byte by IDE) be less (due to formatting, partitioning or otherwise)
	Form Factor	Interface
	M.2 (2280)	PCIe Gen 4.0 x4, NVMe 1.3c
	Dimension (WxHxD)	Weight
	80.15 x 22.15 x 2.38 (mm)	Max 9.0 g Weight
	Storage Memory	Controller
	Samsung V-NAND 3-bit MLC	Samsung in-house controller
	Cache Memory	
	Samsung 2GB 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 7,000 MB/s * Performance may vary based on system hardware & configuration	Up to 5,100 MB/s * Performance may & configuration
	Random Read (4KB, QD32)	Random Write (4KB, QD32)
	Up to 1,000,000 IOPS * Performance may vary based on system hardware & configuration	Up to 1,000,000 IOPS * Performance hardware & configuration

Random Read (4KB, QD1) Up to 22,000 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: 6.1 W*Maximum: 7.2 W (Burst mode)* Actual power consumption may vary depending on system hardware & configuration	Power consumption (Idle) Max. 35 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 1200 TBW Limited Warranty
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