

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 2,300 MB/s * Performance may vary based on system hardware & configuration	
General Feature	Application		Capacity	
	Client PCs		250GB (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 2,300 MB/s * Performance may & configuration	
	Random Read (4KB, QD32)		Random Write (4KB, QD32)	
	Up to 250,000 IOPS * Performance may vary based on system hardware & configuration		Up to 550,000 IOPS * Performance may hardware & configuration	

Random Read (4KB, QD1) Up to 17,000 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
--	---

Environment

Average Power Consumption (system level) * Average: 5 W * Maximum: 8 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
--

Software

Management SW Magician Software for SSD management
--

Warranty

5-Year Limited Warranty or 150 TBW Limited Warranty
