

Specifications

Interface	Sequential Read
PCIe Gen 3.0 x4, NVMe 1.4	Up to 3,500 MB/s * Performance may vary based on system hardware & configuration
Sequential Write	Warranty
Up to 3,000 MB/s * Performance may vary based on system hardware & configuration	5-Year Limited Warranty or 600 TBW Limited Warranty
Application	Weight
Client PCs	Max 8.0 g Weight

General Feature

Application	Capacity
Client PCs	1,000GB (1GB=1 Billion byte by IDE) be less (due to formatting, partitioning or otherwise)
Form Factor	Interface
M.2 (2280)	PCIe Gen 3.0 x4, NVMe 1.4
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 in-house controller
Cache Memory	
HMB(Host Memory Buffer)	

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 3,000 MB/s * Performance may & configuration
Random Read (4KB, QD32)	Random Write (4KB, QD32)
Up to 500,000 IOPS * Performance may vary based on system hardware & configuration	Up to 480,000 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 54,000 IOPS * Performance may vary based on system hardware & configuration
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Environment

Average Power Consumption (system level) *Average: 4.6 W*Maximum: 5.3 W (Burst mode)* Actual power consumption may vary depending on system hardware & configuration	Power consumption (Idle) Max. 45 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 600 TBW Limited Warranty
