

General Feature Application Client PCs, Game Consoles	Capacity 4,000GB (1GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)	Interface PCIe Gen 4.0 x4, NVMe 2.0
Dimension (WxHxD) 3.15 x 0.87 x 0.091 inches	Weight Max 0.02 lbs	Form Factor M.2 (2280)
Storage Memory Samsung V-NAND TLC	Controller Samsung in-house Controller	Cache Memory Samsung 4GB Low Power DDR4 SDRAM
Performance Sequential Read Up to 7,450 MB/s * Performance may vary based on system hardware & configuration	Sequential write Up to 6,900 MB/s * Performance may vary based on system hardware & configuration	Random Read (4KB ,QD32) Up to 1,600,000 IOPS * Performance may vary based on system hardware & configuration
Random Write (4KB ,QD32) Up to 1,550,000 IOPS * Performance may vary based on system 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 80,000 IOPS * Performance may vary based on system hardware & configuration
Environmental Specs Operating Temperature 32°F - 158°F (0 - 70 °C Operating Temperature)	Shock 1,500 G & 0.5 ms (Half sine)	
Software Management SW Magician Software for SSD management		
Warranty Product 5-year Limited Warranty or 2400 TBW Limited Warranty		
Special Feature TRIM Support Supported	S.M.A.R.T Support Supported	GC (Garbage Collection) Auto Garbage Collection Algorithm
Encryption Support AES 256-bit Encryption (Class 0)TCG/Opal IEEE1667 (Encrypted drive)	WWN Support Not supported	Device Sleep Mode Support Yes
Environment Average Power Consumption (system level) *Average: 6.5 W*Maximum: 8.6 W (Burst mode)* Actual power consumption may vary depending on system hardware & configuration	Power consumption (Idle) Max. 55 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)

Accessories
Installation Kit
Not Available