Interface	Form Factor	Performance	Sequential Write
PCIe® 4.0 x4, NVMe™ 2.0	M.2 (2280)	7,250MB/s	6,450MB/s

Random Read	Random Write	Warranty
850KIOPS	1,200KIOPS	3-year Limited Warranty or 800TBW Limited Warranty

General Feature

Application	Rated Capacity	Form Factor	Interface
Client PCs	2,000GB (1GB=1 Billion bytes by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)	M.2 (2280)	PCIe® 4.0 x4, NVMe™ 2.0

Dimension (Pack: WxHxD)	Weight	Storage Memory	Controller
Max 80.15 x Max 22.15 x Max 2.38 mm	Max 9.0g	Samsung V-NAND	Samsung in-house Controller

Cache Memory

HMB(Host Memory Buffer)

Special Feature

TRIM Support	S.M.A.R.T Support	GC (Garbage Collection)	Encryption Support
Supported	Supported	Supported	AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)

WWN Support	Device Sleep Mode Support
Not supported	Yes

Performance

Sequential Read	Sequential Write	Random Read	Random Write
7,250MB/s	6,450MB/s	850KIOPS	1,200KIOPS

Environment

Average Power Consumption (system level)	Power consumption (Idle)	Power Consumption (Device Sleep)	Allowable Voltage
Average: Read 4.3 W / Write 3.8 W *Actual power consumption may vary depending on system hardware & configuration	Typical 55 mW * Actual power consumption may vary depending on system hardware & configuration	Typical 3 mW * Actual power consumption may vary depending on system hardware & configuration	3.3 V ± 5 % Allowable voltage

Reliability (MTBF)	Operating Temperature	Shock
1.5 million Hours	0°C to 70°C	1,500G(Gravity), duration: 0.5ms, 3 axis