

Product Datasheet

E3000-XXX

Item	Model	E3000-XXX			
General	Form factor	2.5"			
	Interface	SATAIII			
Performance	Capacity(GB)	60GB	120GB	240GB	480GB
	Sustained Read	500MB/S	500MB/S	500MB/S	500MB/S
	Sustained Write	410MB/S	470MB/S	480MB/S	500MB/S
	4KB Random Read IOPS	50,000			
	4KB Random Write IOPS	20,000			
	Average Access time	0.1ms			
Storage Media	NAND Flash	MLC-NAND Flash			
Power Consumption	input Voltage	5V+/-5%			
	Idle	0.5W			
	Active	2.0W			
Reliability & Endurance	Write endurance	16years @100GBytes write and erase per day at 60GB			
	Read endurance	unlimited			
	Wear-Leveling Algorithm	Dynamic and static wear-leveling			
	Data Retention	10years at 25°C			
	MTBF	1,500,000hours			
	ECC	Supports BCH ECC 8bits or 15bits in 512 bytes			
	Bad Block Management	Auto Bad Block Management in system			
Environment	Operating Temperature	0~70°C			
	Non-operating Temperature	-40~85°C			
	Ambient Humidity	5-95%			
Warranty	2years				
Available unit	Available	NO EOL			
Testing Platform	CPU: Intel® Core (TM) i5-2400 CPU @ 3.10GHz Chipset: Intel® Z68 Express Chipset Memory: Kingston KHX1600C9D3C1K2/4GX OS: Microsoft Windows 7 Professional 64-bit AHCI Driver: Server Express Chipset SATA AHCI Controller BIOS Settings: AHCI Mode				
Testing Software	PC Mark, CrystalDiskMark v3.0 , AS SSD Benchmark, HD Tune PRO 3.50				
Physical Dimensions & Weight	Height(mm)	9±0.25			
	Width(mm)	69.8±0.25			
	Length(mm)	100±0.25			
	Weight(g)	TDB			
※The read and write speed is limited to this test platform.					

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