

mPCIe SSD Specifications

Item	Model	KSD-PMP.15-xxxMS			
General	Interface	Mini PCIe IDE			
Performance	Capacity(GB)	8GB	16GB	32GB	64GB
	Sustained Read	65MB/S	65MB/S	65MB/S	65MB/S
	Sustained Write	32MB/S	32MB/S	32MB/S	32MB/S
	4KB Sequential Read IOPS	6165			
	4KB Sequential Write IOPS	4628			
	Average Access time	0.3ms			
Storage Media	NAND FLASH	MLC- NAND Flash			
Power Consumption	Input Voltage	3.3V			
	Idle	0.5W MAX			
	Active	1.5W MAX			
Reliability & Endurance	Write endurance	8years@100gbytes write and erase per day at 32GB			
	Read endurance	Unlimited			
	Wear-Leveling Algorithm	Dynamic and static wear-leveling			
	Data Retention	10years at 25°C			
	MTBF	1,000,000 hours			
	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			
	Shock	2,000G(@0.3ms half sine wave)			
	Vibration	20G(40-2000HZA)			
	Humidity	5-95%			
Warranty	2years				
Available unit	Available	NO EOL			
Testing Platform	Intel Atom N270 1.6GHz · DDR2 333 1GB×1pcs · i945GME+ICH7 chipset · Microsoft Windows XP Professional SP2				
Testing Software	HDBench3.4.0.3, IOMeter 2006.07.27				
Physical Dimensions	Length(mm)	70± 0.05			
	Width(mm)	30± 0.05			