



Shenzhen KingSpec Electronics Technology Co., Ltd.

specification

Model	P3-XXX						
Dimensions	L100.4mm*W70.0mm*H7.0mm ±0.15mm						
Form factor	SATA 22pin						
Interface	SATA Rev.3.2(6Gb/s)- with backwards compatibility to SATA Rev. 2.0(3Gb/s)						
Capacity	64GB	128GB	256GB	512GB	1TB	2TB	4TB
NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND
Sequential Read (MB/s)	400~450	450~500	500~550	520~570	520~570	520~580	520~580
Sequential Write (MB/s)	250~300	450~500	470~520	480~540	500~560	510~570	450~500
TBW	30TB	60TB	120TB	240TB	480TB	960TB	1920TB
4K Random read(IOPS)	65K (Max)						
4K Random write(IOPS)	70K (Max)						
Input voltage	DC 5V±5%						
Power consumption Idle	0.41W (Max)						
Power consumption Active	1.85W (Max)						
Data retention	10years below 25 degree						
MTBF	1 million hours						
ECC	LDPC Error Correction of Hardware						
Features	Power management/TRIM/S.M.A.R.T./NCQ/Wear-leveling						
Operating Temp.	0~+70℃						
Storage Temp.	-20~+75℃						
Humidity	5-95%						
Vibration	80Hz~2000Hz/20G						
Shock	1500G/0.5ms						