



Shenzhen KingSpec Electronics Technology Co., Ltd.

specification

Model	NT-XXX					
Dimensions	L80.0mm * W22.0mm * H2.1mm \pm 0.1mm					
Form factor	M.2 SATA					
Interface	SATA Rev.3.2(6Gb/s)- with backwards compatibility to SATA Rev.2.0 (3Gb/s)					
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND
Sequential Read (MB/s)	450~500	500~550	510~560	510~570	520~580	520~580
Sequential Write (MB/s)	400~450	450~500	470~540	480~540	500~550	450~500
TBW	60TB	120TB	240TB	480TB	960TB	1920TB
4K Random read(IOPS)	64500(4TB)					
4K Random write(IOPS)	72200(4TB)					
Input voltage	DC 3.3V \pm 5%					
Power consumption Idle	0.33W(4TB)					
Power consumption Active	1.15W(4TB)					
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					