



Shenzhen KingSpec Electronics Technology Co., Ltd.

specification

Model	Z5-XXX		
Dimensions	L104.70mm*W40.00mm*H10.70mm ±0.15mm		
Form factor	Type C		
Interface	USB Rev. 3.2 Gen2x2(20Gbps)- with backwards compatibility to USB Rev. 3.0		
Capacity	512GB	1TB	2TB
NAND Flash	3D TLC	3D TLC	3D TLC
Sequential Read (MB/s)	2000~2100	2000~2100	2000~2100
Sequential Write (MB/s)	1700~1800	1700~1800	1750~1850
4K Random read(IOPS)	58K (2TB)		
4K Random write(IOPS)	65K (2TB)		
Input voltage	DC 5V ±5%		
Power consumption Idle	0.9W (2TB)		
Power consumption Active	2.0W (2TB)		
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°C		
Storage Temp.	-20~+75°C		
Humidity	5-95%		
Vibration	80Hz~2000Hz/20G		
Shock	1500G/0.5ms		