

**YANSEN 元存<sup>®</sup>**

Shenzhen KingSpec Electronics Technology Co., Ltd.

## specification

Model	YSZF18-XXX				
Dimensions	L71.1mm * W54.1mm * H5.0mm Error $\pm$ 0.5mm				
Form factor	ZIF				
Interface	ATA/ATAPI-7				
Capacity	8GB	16GB	32GB	64GB	128GB
NAND Flash	MLC	MLC	MLC	MLC	MLC
Sequential Read (MB/s)	40~50	45~55	55~65	60~70	80~110
Sequential Write (MB/s)	10~25	20~30	30~40	35~45	50~70
TBW	10TB	20TB	40TB	85TB	170TB
4K Random read(IOPS)	3240 (128GB)				
4K Random write(IOPS)	568 (128GB)				
Input voltage	DC 3.3V $\pm$ 5%				
Power consumption Idle	0.47W (128GB)				
Power consumption Active	1.75W (128GB)				
Data retention	10years below 25 degree				
MTBF	2 million hours				
ECC	Hardware BCH ECC capable of correcting errors up to 72bit/1KB				
Features	System automatic bad block management				
Operating Temp.	0°C ~ 70°C				
Storage Temp.	-40°C ~ 85°C				
Humidity	5-95%				
Vibration	80Hz ~ 2000Hz/20G				
Shock	1500G/0.5ms				