

# YANSEN 元存<sup>®</sup> Shenzhen KingSpec Electronics Technology Co., Ltd.

## specification

Model	YS44H6-XXX		
Dimensions	L48.0mm * W32.0mm * H4.0mm Error±0.5mm		
Form factor	44Pin IDE		
Interface	ATA/ATAPI-7		
Capacity	8GB	16GB	32GB
NAND Flash	SLC	SLC	SLC
Sequential Read (MB/s)	90~100	100~110	100~110
Sequential Write (MB/s)	60~75	70~85	80~95
TBW	355TB	710TB	1420TB
4K Random read(IOPS)	3000 (32GB)		
4K Random write(IOPS)	610 (32GB)		
Input voltage	DC 3.3V±5%		
Power consumption Idle	0.44W		
Power consumption Active	1.20W		
Data retention	10years below 25 degree		
MTBF	2 million hours		
ECC	Hardware BCH ECC capable of correcting errors up to 72bit/1KB		
Features	Power management/TRIM/S. M. A. R. T. /NCQ/Wear-leveling		
Operating Temp.	0°C~70°C		
Storage Temp.	-40°C~85°C		
Humidity	5-95%		
Vibration	80Hz~2000Hz/20G		
Shock	1500G/0.5ms		