

YANSEN 元存® Shenzhen KingSpec Electronics Technology Co., Ltd.
specification

Model	YSCS-XXXX		
Dimensions	CFAST L42.8mm * W36.4mm * H3.3mm Error±0.5mm		
Form factor	SATA 24pin		
Interface	SATA III 6Gbps		
Capacity	8GB	16GB	32GB
NAND Flash	SLC	SLC	SLC
Sequential Read (MB/s)	120~140	210~230	240~260
Sequential Write (MB/s)	40~65	60~85	130~160
TBW	355TB	710TB	1420TB
4K Random read(IOPS)	6000 (32GB)		
4K Random write(IOPS)	800 (32GB)		
Input voltage	DC 3.3V±5%		
Power consumption Idle	0.27W (32GB)		
Power consumption Active	1.01W (32GB)		
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		