



44.95 EUR

incl. 19% VAT, plus shipping

Based spec	Interface	SATAIII
	Weight	20~30g
	Size	30*23*3.5mm
	Capacity	16GB~64GB
	SDram	None
	Flash type	Synchronous MLC NAND Flash
Read/Write Performance	Sequential Read	Up to 160MB/s
	Sequential Write	Up to 80MB/s
	4KB Sequential Read IOPS	74212
	4KB Sequential Write IOPS	68870

4KB Random Read IOPS 74764

4KB Random Write IOPS 1555

Response Time 0.1ms

Power Consumption

Power Supply 5V \pm 5%

Standby 0.3W

4KB Random Write 2W

Reliability

Write endurance: 8 years @ 100G write/day(32G)

Read endurance: unlimited

MTBF: >2,000,000 hours

Data retention: >20years @ 25°C

Data destroy do not support

Sudden power-off recovery support

S.M.A.R.T,NCQ,Trim and dynamic power management support

Static and dynamic wear-leveling

Bad block management algorithm

ECC: Supports BCH ECC 16 / 24 / 40 bits in 1024 bytes

Environment

Storage temperature: -55~95 °C

Operation temperature: 0-70°C

Humidity: 5%~95%

Vibration: 20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis

Shock: 1500G (@0.5ms half sine wave)