

TAS-25SPM

2.5" SATA-6Gpbs SLC Industrial grade SSD

■ Introduction:

TAICENN TAS-25SPM series is 2.5-inch SATA-III Solid State Disk with MLC NAND Flash. It can support max. capacity 2TB MLC with high performance. The TAS-25SPM series SSDs adapt industrial controller with advanced flash-management algorithm that guarantee the data reliability and enhance the reliability and durability of SSD. It is very suitable for high-definition embedded system, video devices, and server and so on.



■ Specification

Form factor	2.5" SATA
Transfer mode	SATA-I, SATA-II, SATA-III
Capacity	128GB, 256GB, 512GB, 1TB, 2TB
Flash type	Micron MLC (Multi Level Cell) NAND Flash
Sustained R/W	128GB: 500/200 MB/s
	256GB: 500/400 MB/s
	512GB: 500/500 MB/s
	1TB: 520/500 MB/s
	2TB: 520/500 MB/s
Random IOPS R/W	128GB: 50000/40000
	256GB: 650000/50000
	512GB: 70000/60000
	1TB: 80000/70000
	2TB: 80000/70000
Power Management	5V SATA supply

Power Consumption	Active: 3.5W Idle/Sleep: 0.4W
Reliability	MBTF: 2 000 000 hours
Shock Resistance	1500G peak, 0.5ms, Half sine
Vibration resistance	20G peak, 20Hz to 2000Hz, Sine
Altitude	80 000 feet
Applied Temperature	Commercial grade: 0 ~ +70°C
	Industrial grade: -40 ~ +85°C
	Storage temperature: -55 ~ +95°C
Dimension	100mm x 70mm x 7.0mm (L x W x H)
Weight	80 g
Warranty	2 Years
Industrial features	Conformal coating
Certificate	CE/FCC/ROHS

■ Ordering information:

Part no.	Description
TAS-25SPM-XC	2.5" SATA-III SSD, MLC NAND, Phison controller, 128GB/256GB/512GB/1TB/2TB, 0 ~ +70°C
TAS-25SPM-XM	2.5" SATA-III SSD, MLC NAND, Phison controller, 128GB/256GB/512GB/1TB/2TB, -40 ~ +85°C

X (different capacity): 128G/256G/512G/1TB/2TB