

Industrial SSD Series

Breakthrough Technology of IFD-2530ISMD

With the release of the brand-new designed firmware algorithm, and IFD-2530ISMD offer outstanding read and write performance and extended lifespan, and are compliant with the JEDEC 219 specifications. In addition, with the iData Guard Technology, IFD-2530ISMD support data integrity in the event of abnormal power failure. The wide operating temperature ranges from -40 °C to 85 °C.



Features of IFD-2540A2M & IFD-2530ISMD

IFD-2540A2M and IFD-2530ISMD provide a wide range demand of capacity. IFD-2530ISMD even supports large capacity up to 1TB.

	IFD-2540A2M	IFD-2530ISMD
DRAM-less Design	•	
Price	•	
Random Transfer Performance	• R: 31,000 IOPS/W: 40,000 IOPS (128GB)	• R: 70,000 IOPS/W: 64,000 IOPS (128GB)
Easy to Design in Small Form Factors	•	
Low Power Consumption	•	•
TRIM	•	•

Model Name	2.5" SATA 6Gb/s IFD-2530ISMD	2.5" SATA 6Gb/s IFD-2540A2M
Picture		
Key Features	<ol style="list-style-type: none"> 1. EverGreen L² architecture 2. 7mm height mechanical design 3. Excellent random performance 	<ol style="list-style-type: none"> 1. 7mm height mechanical design 2. Low power consumption 3. Budget-friendly MLC-based solution
Interface	SATA 6Gb/s	SATA 6Gb/s
Flash Type	MLC	MLC
Capacity (GB)	8GB~1TB	32GB~1TB
Sequential R/W	520/450	560/510
Max. Power Consumption	5W (5V x 1A)	0.5W (5V x 100 mA)
Thermal Sensor	Wide temperature model only	Wide temperature model only
ATA Security	Yes	Yes
S.M.A.R.T	Yes	Yes
Dimensions (mm)	70.0 x 100.0 x 6.8	69.85 x 100 x 6.9
Environment	Vibration: 20G@7~2000Hz, Shock: 1500G@0.5ms, Storage Temperature: -55°C ~ +95°C, MTBF: >3 million hours	
P/N	Standard (0°C~+70°C)	IFD-2530ISMD-8GB-R20 IFD-2530ISMD-16GB-R20 IFD-2530ISMD-32GB-R20 IFD-2530ISMD-64GB-R20 IFD-2530ISMD-128GB-R20 IFD-2530ISMD-256GB-R20 IFD-2530ISMD-512GB-R20 IFD-2530ISMD-1TB-R20
	Wide Temperature (-40°C~+85°C)	IFD-2540A2M-32GB-R20 IFD-2540A2M-64GB-R20 IFD-2540A2M-128GB-R20 IFD-2540A2M-256GB-R20 IFD-2540A2M-512GB-R20 IFD-2540A2M-1TB-R20