

## Integral M.2 SATA 6Gbps NGFF 22x42



128  
GB

The Integral M.2 next generation form factor SATA 6Gbps MLC SSD delivers all of the advantages of flash memory technology for SATA based computers.

M.2 SATA SSD storage solutions are designed for Notebooks, Desktops, Ultrabooks and tablets. They address the need for more low powered compact storage without compromising performance and reliability of solid state drives.

### FEATURES

- M.2 2242 form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Supports 'M' & 'B' Key sockets
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard with M.2 M and B connectors
- Non-volatile Flash Memory for outstanding data retention - Less likely to fail than HDD
- Ultra-efficient Block Management and Static and Dynamic Wear Leveling

- Lower Power Consumption
- Shock resistance - No moving parts enable the product to be used in tougher conditions
- Silent operation - Noiseless and low heat dissipation
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- Supports TRIM
- RoHS compliant
- CE and FCC tested
- Warranty – 3 Years

# Product Specification



PERFORMANCE		
128GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
INTERFACE		
Interface	SATA III 6Gbps Also Compatible with SATA II 3Gbps and SATA 1.5Gbps	
NAND	MLC	
Form Factor	M.2 22x42 'M' & 'B' Key connector	
Standard	M.2 (Previously known as Next Generation Form Factor (NGFF))	
POWER CONSUMPTION		
Supply Voltage	3.3V	
Power Consumption (mW)	Read: 128GB = 1705	
	Write: 128GB = 1640	
	Idle = 275 (256G = 295)	
ECC algorithm	Supports 72bit ECC correct per 1K Byte	
MTBF	>2 Million Hours	
ENVIRONMENTAL		
Operating Temp	0° to +70°C	
Non - Operating Temp	-40° to +85°C	
Humidity	RH 90% under 40C in operation	
Supports SMART Software	Yes	
Supports TRIM	Yes (OS support required)	
Compliance	CE, FCC, RoHS	
DIMENSIONS		
Length	42mm	
Width	22mm	
Height	3.75mm	
Weight	4g	
Length (Packed)	120mm	
Width (Packed)	64mm	
Height (Packed)	8mm	
Weight (Packed)	12g	
WARRANTY		
3 years		

\*Based on internal testing

CAPACITY	PART CODE	BARCODE (EAN)
128GB	INSSD128GM.26M2242	5055288427327

1GB = 1,000,000,000 bytes. Formatted capacity is less.

This device should not be used as your sole backup.

Product design and specification subject to change or modification without notice. E&OE.

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For warranty information please visit [www.integralmemory.com/warranty](http://www.integralmemory.com/warranty)

