Integral M.2 SATA 6Gbps 22x60



64 GB 128 GB 256 GB 512 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 2260 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
- 3 Year Warranty

Product Specification

PERFORMANCE Sequential Speed (up to)		
64GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
128GB	Read	530MB/s (up to)*
	Write	430MB/s (up to)*
256GB	Read	550MB/s (up to)*
	Write	530MB/s (up to)*
512GB	Read	550MB/s (up to)*
	Write	500MB/s (up to)*
INTERFACE		
Interface		SATA III 6Gbps Also Compatible with SATA II 3Gbps and SATA 1.5Gbps
NAND		MLC
Form Factor		M.2 22x60 'M' & 'B' Key connector
Standard		M.2 (previously known as Next Generation Form Factor (NGFF))
POWER CONSUMPTION		
Supply Voltage		3.3V
Power Consumption (mA)		Read : 64G = 1600 / 128G = 1640 / 256G = 1655 / 512G = 1850
		Write : 64G = 1445 / 128G = 1480 / 256G = 1985 / 512G = 1850
		Idle = <310
ECC algorithm		Supports 72bit ECC correct per 1K Byte
MTBF		>1 Million Hours
ENVIRONMENTAL		
Operating Temp		0° to +70°C
Storage Temp		-40° to +85°C
Humidity		RH 90% under 40C in operation
Supports SMART Software		Yes
Supports TRIM		Yes (OS support required)
Compliancy		CE, FCC, RoHS
DIMENSIONS		
Length		60mm
Width		22mm
Height		3.8mm
Weight		5g
Length (Packed)		120mm
Width (Packed)		64mm
Height (Packed)		8mm
Weight (Packed)		13g
WARRANTY		
3 years		

*Based on internal testing

CAPACITY	PART CODE	BARCODE (EAN)
64GB	INSSD64GM.26M2260	5055288427716
128GB	INSSD128GM.26M2260	5055288427709
256GB	INSSD256GM.26M2260	5055288427693
512GB	INSSD512GM.26M2260	5055288427785

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.
All trademarks acknowledged.
For warranty information please visit www.integralmemory.com/warranty







