

High Performance 2.5" SATA



Model Name :1TB SSD 2.5" Inch SATA

Part Number : EVM25/1TB



Product Features

- Available Capacities: **1TB**
- Compact design: 2.5 inch form factor
- Controller: SMI/ MAXIO/ YEESTOR
- Flash: 3D TLC NAND.
- Cache: Internal SRAM buffer.
- Compliant with Serial ATA Revision 2.6.
- Compatible with SATA 3.0Gb/s and SATA 6.0Gb/s interface rates.
- Enhanced endurance by global dynamic and static wear leveling.
- Bad block management function.
- Hardware LDPC ECC (Error Corrective code) correction engine.
- TRIM function support.
- DIPM/HIPM mode support.
- Support S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) ATA feature set.
- Support Native Command Queuing (NCQ) command.
- Sudden power off recovery.
- Electrostatic withstand voltage ($\pm 4\text{KV}$) pass.
- RoHS declaration, CE/FCC certificate.

***The Weight varies depending on capacity.**

Note: Performance results may vary, depending on system platform, software, interface and capacity.



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Some of the listed capacity is used for formatting and other functional is not available for storage

Specifications

Capacity	1TB
Form Factor	2.5 inch SATA
Interface	SATA 6.0 Gb/s
Performance Read(max.)	Sequential Read: up to 550MB/s
Performance Write(max.)	Sequential Write: up to 500MB/s
Power Consumption	0.195W Idle / 0.279W Avg / 0.642W (MAX) Read / 1.535W (MAX) Write
Storage Temperature	-40°C to 85°C
Operating Temperature	0°C to 70°C
Dimensions	100.0mm x 69.9mm x 7.0mm (2.5")
Weight	39g
Vibration operating	sine 20G, 10~2000Hz
Vibration non-operating	sine 20G, 10~2000Hz
Life expectancy	1 million hours MTBF
Total Bytes Written (TBW)	340 TB
Warranty	5 Years Warranty