

512GB SATA III SSD

ZSS250512



Product Overview

The Zion 512GB 2.5" SATA III Solid State Drive is designed to deliver reliable storage performance for desktops, laptops, and embedded computing systems. Built with high-quality NAND flash and advanced controller technology, it offers fast boot times, quick application loading, and improved system responsiveness while ensuring long-term durability and stable operation.

Key Features

- SATA III 6 Gb/s Interface
- 2.5-inch form factor for wide system compatibility
- Fast read and write performance for everyday computing
- Shock-resistant design with no moving parts
- Low power consumption for improved energy efficiency
- Silent operation and reduced heat generation
- 100% reliability and compatibility tested

Product Specifications

Parameter	Specification
Capacity	512GB
Interface	SATA III (6 Gb/s)
Form Factor	2.5-inch
NAND Flash Type	3D NAND
Sequential Read Speed	Up to 550 MB/s
Sequential Write Speed	Up to 500 MB/s
Operating Voltage	5V DC
MTBF	≥ 1.5 million Hours
Endurance (TBW)	250TB
Operating Temperature	0°C to 70°C
Storage Temperature	-40°C to 85°C

Physical Dimensions

- Form Factor: 2.5-inch SSD
- Interface Connector: SATA Data & Power
- Dimensions: 100 (L) × 69.85 (W) × 7 (H) mm
- Weight: About 40 gm.

Advanced Storage Management

- Uses power efficiently for stable and reliable operation
- Protects data from errors during reading and writing
- Maintains consistent performance over time
- Allows the system to check drive health and status

Warranty

- 3-Year Warranty