4TB SATA III SSD

ZSS254096



Product Overview

The Zion 4TB 2.5" SATA III Solid State Drive is designed to deliver reliable and high-capacity storage for desktops, laptops, and embedded computing systems. Built with advanced controller and high-density 3D QLC NAND flash, it provides fast boot times, quick application loading, and improved system responsiveness. The drive ensures stable performance, efficient power usage, and long-term reliability for modern computing workloads.

Key Features

- SATA III 6 Gb/s Interface
- High-capacity storage up to 4TB for large data applications
- High-density 3D QLC NAND Flash technology
- Fast sequential read and write performance
- Shock-resistant design with no moving parts
- Low power consumption for energy-efficient operation
- Silent operation with reduced heat generation
- 100% reliability and compatibility tested

© **Abacus Peripherals Private Ltd.** – Products and specifications are subject to change without notice. Actual product may differ from the image shown.

Product Specifications

Parameter	Specification
Capacity	4TB
Interface	SATA III (6 Gb/s)
Form Factor	2.5-inch
NAND Flash Type	3D QLC NAND
Sequential Read Speed	Up to 550 MB/s
Sequential Write Speed	Up to 520 MB/s
Operating Voltage	5V DC
MTBF	≥ 1.5 million Hours
Endurance (TBW)	1000TB
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

- Intelligent power management for stable and reliable operation
- Advanced error correction to protect data integrity
- Maintains consistent performance throughout drive lifespan
- SMART monitoring support for drive health and diagnostics

Warranty

- 3-Year Warranty

© **Abacus Peripherals Private Ltd.** – Products and specifications are subject to change without notice. Actual product may differ from the image shown.