



UNCIA 3836 Series Enterprise SATA SSD

Longsys is committed to creating enterprise-class SSD series UNCIA 3836 SSD, SATA SSD supporting SATA3.2, providing mainstream solutions with capacity up to 3.84TB, and Sequential Read up to 550MB/s*.

UNCIA 3836 SSD supports a variety of advanced features, and can provide a high-perf, low-latency and high-reliable storage solution for Internet, cloud computing, financial and other industries.

Advanced Features

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|----------------------------------|------------------------------------|---|
| • Enhanced Power Loss Protection | • End-to-End Data Protection | • Firmware Upgrade Activate without Reset |
| • RAIN | • Thermal throttling | • Secure Boot & Download |
| • Sanitize | • Static and Dynamic Wear Leveling | • Customization Telemetry and S.M.A.R.T |

Applications



Server



Distributed storage



Cloud computing



Edge Computing



Workstation

Key Benefits

01. Outstanding Performance

UNCIA 3836 series supports SATA3.2 interfaces and carries built-in performance optimization and thus guarantees high level of QoS and IO consistency. It delivers reach 550MB/s* Sequential read throughput and 93K* Random Read IOPS. This ensures high performance and steady data service in wide-range of enterprise applications.

02. Reliable Data Storage

Through rigorous design, simulation and verification, UNCIA 3836 can meet the reliability standard of 2 million hours of MTBF; it supports enhanced PLP, RAIN, and security features. Specifically designed for the enterprise usage, focusing on data protection for a variety of applications.

Specification

NAND Flash	128 layer 3D eTLC				
Form factor	2.5" SATA				
Host interface	SATA				
Capacity	480 GB	960 GB	1.92 TB	3.84 TB	
Performance ^[1]	Sequential read*	550MB/s	550MB/s	550MB/s	550MB/s
	Sequential write*	520MB/s	520MB/s	520MB/s	520MB/s
	Random read*	93K IOPS	93K IOPS	93K IOPS	93K IOPS
	Random write*	25K IOPS	45K IOPS	45K IOPS	50K IOPS
Power consumption	Active:<=4W Idle:<=1.8W				
Endurance	DWPD=1				
Warranty Period	5 years				
Uncorrectable Bit Error Rate (UBER)	1 sector per 10 ¹⁷ bits read				
Mean Time Between Failure (MTBF)	2,000,000 hours				
Operating Temp ^[2]	0~70°C				

[1] The performance measurement is referred to the SNIA SSS-PTS-E test specification;

[2] Case surface temperature on the center-top side of the device

*The data comes from Longsys's internal test. The actual performance may vary due to equipment differences.