



## ZM-830 M.2 2230 PCIe Gen4x4 Solid State Drive

ZEPLIN ZM-830 M.2 2230 PCIe Gen4x4 delivers ultra-high read performance up to 5000MB/s and high IOPS, capable of maximum capacity up to 1TB, making the SSD not only as PC's ideal drives for work and pleasure, but also optimal for server and heavy data workload application.

### Product Features

- ✓ Capacity: 512GB,1TB
- ✓ PCI Express Gen4: Single portx4 lanes
- ✓ Compliant with PCI Express Base Specification Revision 4.0
- ✓ Compliant with NVM Express Specification Revision 1.4
- ✓ Static and Dynamic Wear Leveling and Bad Block Management
- ✓ 4K LDPC + RAID
- ✓ End-to-End data protection
- ✓ Support SMART and TRIM commands
- ✓ 100% tested HW and SW

### Ordering Information

Capacity	SKU	EAN Code
512GB	Z83M2I512Z	4710949423377
1TB	Z83M2I001Z	4710949423384

## Specifications

- Capacities : 256GB / 512GB / 1TB
- Controller : SMI SM2269XT
- NAND Flash : 3D NAND
- Interface : PCIe Gen4x4
- Form Factor : M.2 2230
- Sequential read/write(Max) : up to 5000/4500 MB/s
- Terabytes Written (TBW)(Max. capacity): 1200TB
- Dimensions (L x W x H) : 30 x 22 x 2.05mm
- Weight : 5 g
- Operating Temperature: 0°C ~ 70°C
- Storage Temperature : -40°C ~ 85°C
- MTBF : >1,000,000 hours
- Certifications : RoHS, CE, FCC, VCCI
- Warranty : 3 years limited

## Performance

Device	Capacity	Data Transfer Speed (MB/s) Up to <sup>I</sup>				TBW <sup>II</sup>
		Sequential Read	Sequential Write	4K Random Read	4K Random Write	
Z83M2I512Z	512GB	5000	4500	1000	2000	600TB
Z83M2I001Z	1TB	5000	4500	1000	2000	1200TB

I. Performance may vary based on SSD capacity, test software, hardware test platform, operating system and others system variables.

II. The value is the minimum amount of terabyte written that could be reached.

## Schematics

