

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

ZPLIN 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 idealdrives 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 : PCle 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

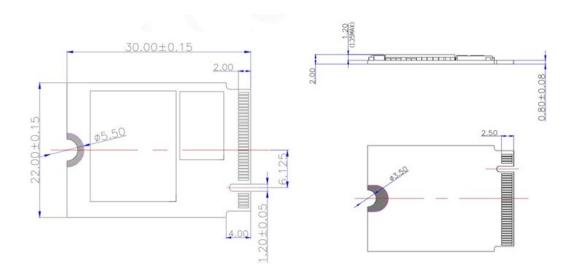
• Warranty : 3 years limited

Performance

Device	Capacity	Data Transfer Speed (MB/s) Up to ^I			T	
		Sequential	Sequential	4K Random	4K Random	TBW [™]
		Read	Write	Read	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.

Schematics



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