



ZM-810 M.2 2280 PCIe Gen4x4 Solid State Drive

ZPLIN ZM-810 M.2 PCIe SSD delivers high performance up to 7400MB/s but low power consumption, which is capable of maximum capacity up to 4TB. With it effectively reduces the booting time of operation system and consumes less power than hard disk drive , making the SSD not only as PC's ideal drives for work and pleasure, but also can be configured as a boot device for embedded system.

Product Features

- ✓ Capacity: 512GB,1TB,2TB,4TB
- ✓ PCI Express Gen4: Single portx4 lanes
- ✓ Compliant with PCI Express Base Specification Revision. 4.0
- ✓ Compliant with NVMe 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
- ✓ Support AES 256 (Advanced Encryption Standard)
- ✓ 100% tested HW and SW

Ordering Information

Capacity	SKU	EAN Code
512GB	Z81M2I512Z	4710949423292
1TB	Z81M2I001Z	4710949423308
2TB	Z81M2I002Z	4710949423315
4TB	Z81M2I004Z	4710949423322

Specifications

- Capacities : 512GB / 1TB / 2TB / 4TB
- Controller : MaxioTek MAP1602
- NAND Flash : 3D NAND
- Interface : PCIe Gen 4x4
- Form Factor : M.2 2280
- Sequential read/write(Max) : up to 7400/6400 MB/s
- Terabytes Written (TBW)(Max. capacity): 4000TB
- Dimensions (L x W x H) : 80 x 22 x 2.05mm
- Weight : 6.5 g
- Operating Temperature: 0°C ~ 70°C
- Storage Temperature : -40°C ~ 85°C
- MTBF : >1,500,000 hours
- Certifications : RoHS, CE, FCC
- Warranty : 3 years limited

Performance

Device	Capacity	Data Transfer Speed (MB/s) Up to ^I				TBW ^{II}
		Sequential Read	Sequential Write	4K Random Read	4K Random Write	
Z81M2I512Z	512GB	7100	2600	3000	2000	400TB
Z81M2I001Z	1TB	7100	5900	4300	3100	800TB
Z81M2I002Z	2TB	7100	6300	4300	3100	1600TB
Z81M2I004Z	4TB	7400	6400	3800	4000	4000TB

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

