



ZM-710 M.2 2280 PCIe Gen3x4 Solid State Drive

ZPLIN ZM-710 M.2 2280 supports PCIe Gen 3x4 and compliant with NVMe 1.4 protocol delivers high read performance, but low power consumption, is capable of maximum capacity up to 2TB. With it effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), 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: 128GB,256GB,512GB,1TB,2TB
- ✓ PCI Express Gen3: Single portx4 lanes
- ✓ Compliant with PCI Express Base Specification Revision 3.0
- ✓ 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 HMB (Host Memory Buffer)
- ✓ Support SMART and TRIM commands
- ✓ Support AES 256 (Advanced Encryption Standard)
- ✓ 100% tested HW and SW

Ordering Information

Capacity	SKU	EAN Code
128GB	ZM7M2I128Z	4710949420383
256GB	ZM7M2I256Z	4710949420406
512GB	ZM7M2I512Z	4710949420420
1TB	ZM7M2I001Z	4710949420444
2TB	ZM7M2I002Z	4710949420468

Specifications

- Capacities : 128GB / 256GB / 512GB / 1TB / 2TB
- Controller : Maxiotek MAP1202
- NAND Flash : 3D NAND
- Interface : PCIe Gen3x4
- Form Factor : M.2 2280
- Sequential read/write(Max) : up to 3400/3000 MB/s
- Terabytes Written (TBW)(Max. capacity): 1280TB
- 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 : >1,000,000 hours
- Certifications : RoHS, CE, FCC, VCCI
- 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	
ZM7M2I128Z	128GB	2000	650	230	400	80TB
ZM7M2I256Z	256GB	3300	1200	450	400	160TB
ZM7M2I512Z	512GB	3300	2700	650	400	320TB
ZM7M2I001Z	1TB	3400	3000	650	400	640TB
ZM7M2I002Z	2TB	3400	3000	650	450	1280TB

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

