



ZM-730 M.2 2230 PCIe Gen3x4 Solid State Drive

ZEPLIN ZM-730 M.2 2230 PCIe Gen3x4 delivers high read performance, but low power consumption, is capable of maximum capacity up to 1TB. 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: 256GB,512GB,1TB
- ✓ 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
256GB	Z73M2I256Z	4710949423261
512GB	Z73M2I512Z	4710949423278
1TB	Z73M2I001Z	4710949423285

Specifications

- Capacities : 256GB / 512GB / 1TB
- Controller : Maxiotek MAP1202
- NAND Flash : 3D NAND
- Interface : PCIe Gen3x4
- Form Factor : M.2 2230
- Sequential read/write(Max) : up to 3400/3000 MB/s
- Terabytes Written (TBW)(Max. capacity): 1280TB
- 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				TBW ^{II}
		Sequential Read	Sequential Write	4K Random Read	4K Random Write	
Z73M2I256Z	256GB	3000	1800	900	1100	185TB
Z73M2I512Z	512GB	3400	3000	1900	1500	375TB
Z73M2I001Z	1TB	3400	3000	2300	1500	750TB

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

