

M.2 NVMe SSD modules

High Performance



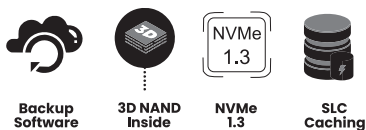
**Model Name : 512GB NVME PCIe
M.2 2242**

Part No : EVMNV42/512GB



Product Features

- Available Capacities: **512GB**
- Compact design: JEDEC Compliant.
- Controller: SM2263XT GenIIIx4
- NAND Flash: 3D TLC NAND.
- Compliant with NVME 1.3.
- Compatible with PCI Express base 3.0.
- Enhanced endurance by global wear-leveling.
- Hardware LDPC ECC correction engine.
- Support S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) ATA feature set.
- Support Native Command Queuing (NCQ) command.
- Support DEVSLP mode.
- Support DIPM/HIPM mode.
- Sudden power off recovery.
- Backup Software
- SLC caching
- RoHS certification.



Note: Performance results may vary, depending on system platform, software, interface and capacity.



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Specifications

Capacity	512GB
Form Factor	M.2 NVMe 2242
Interface	Socket 3 (M key)
Shock resistance	1500G/0.5ms
MTBF	1,000,000 hours
Performance Read(max.)	Sequential Read: up to 2000MB/s
Performance Write(max.)	Sequential Write: up to 1600MB/s
Storage Temperature	-45°C to 95°C
Operating Temperature	0°C to 70°C
Dimensions	42mm x 22mm x 2.20mm
Weight	7g
System Requirement	System Hardware which supports Socket 3(M key) standards System Hardware includes M.2 socket or transfer board
Operating System	Windows 7(additional driver required), Windows 8 (additional driver required) Windows 8.1 , Windows 10
Warranty	5 Years Warranty