

Industrial PS3109-S9 M.2 2260

Phison's M.2 2260 (N-Module 67) S9 delivers all the advantages of Flash Disk technology with the Serial ATA I/II/III interface and is fully compliant with the standard Next Generation Form Factor (NGFF) called M.2 Card Format, which is generated by Intel. The M.2 2260 (N-Module 67) S9 is designed to operate at a maximum operating frequency of 300MHz with 40MHz external crystal. Its capacity could provide a wide range up to 256GB. Moreover, it can reach up to 515MB/s read as well as 180MB/s write high performance based on Toshiba's 1Xnm MLC flash.



Product Specification and Features

Capacity	2GB to 256GB
SATA Interface	SATA Revision 3.0 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface and Support	Flash type: 24nm SLC, 15nm MLC/ PseudoSLC 1 to 4pcs of TSOP flash or 1 to 2 pcs of BGA flash
Performance (Max)	Read/Write: Up to 515/180 MB/s
Power Consumption ^{Note1}	Active mode: < 2,050 mW Idle mode: < 325 mW DEVSLP mode: < 5 mW
TBW (Terabytes Written) ^{Note1}	635 TBW for 256GB MLC; 3,448 TBW for 64GB SLC
MTBF	≥ 2,000,000 hours
Advanced Technology	Default: SmartRefresh™, SmartFlush™ Optional: Guarantee Flush™
Thermal Sensor	Support
Operating Temperature	Silver grade: 0°C ~ 70°C ; Diamond grade: -40°C ~ 85°C
Environment	Storage Temperature: -40°C ~ 85°C Vibration: 80Hz~2000Hz@20G Mechanism Shock (operation/ non-operating): 1500G@0.5ms
RoHS and Halogen Free compliant	Support

Physical Dimension

M.2 2260: 60mm(L) x 22mm(W) x 3.65mm(H)

