

PS3109-S9 M.2 2260

(Reference Design)

Phison's PS3109 M.2 2260 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. PS3109 M.2 2260 is designed to maximize the usage of card space to meet the size limitation of tablets, notebooks and other very thin devices. With a wide range of capacity, high read/write performance, and low power consumption, PS3109 M.2 2260 is an ideal embedded solution for new platforms.



Product Specification

Capacity	4GB ~ 128GB
Form Factor	M.2 2260-D3-B-M
SATA Interface	SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface	Flash Type: SLC, MLC 1pcs to 4pcs of TSOP/LGA flash 1pcs to 2pcs of BGA flash
Performance*	Read: up to 510 MB/s Write: up to 200 MB/s
Power Consumption*	Active mode: < 1730 mW Idle mode: < 285 mW DEVSLP mode: < 5 mW
MTBF	More than 1,000,000 hours
Advanced Flash Management	Static and Dynamic Wear Leveling, Bad Block Management, TRIM, SMART, Over-Provision, Firmware Update
Operating Voltage	3.3V
Operating Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C

* Performance and Power Consumption may differ according to flash type, flash configuration, SDR configuration, and platform.