

PS3109-S9 2.5 SATA SSD

(Reference Design)

Phison's PS3109 2.5" SATA SSD delivers all the advantages of flash disk technology with the Serial ATA I/II/III interface and is fully compliant with the standard 2.5-inch form factor and provides hot-swapping when removing/replacing/upgrading flash disks as well. PS3109 2.5" SATA SSD contributes extensive advantages over the traditional Hard Drive Disk (HDD). Promising a wide range of capacity, high read/write performance, as well as low power consumption, PS3109 2.5" SATA SSD is the ideal storage solution which satisfies major market demands of various applications.



Product Specification

Capacity	4GB ~ 256GB
SATA Interface	SATA Revision 3.0 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface	Flash Type: SLC, MLC 1pcs to 4pcs of TSOP/BGA flash
Performance*	Read: up to 510 MB/s Write: up to 200 MB/s
Power Consumption*	Active mode: < 2305 mW Idle mode: < 315 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	5V
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.