

PS3109-S9 micro SSD™ (μSSD) (Reference Design)

Phison's PS3109 uSSD delivers all the advantages of flash disk technology with the Serial ATA I/II/III interface and is fully compliant with the standard JEDEC MO-276 (SATA uSSD) form factor. PS3109 uSSD offers SSD capability in an embedded Ball Grid Array (BGA) package, which makes it with a tiny dimension. Supporting a wide range of capacity, high read/write performance, as well as low power consumption, PS3109 uSSD is the ideal storage choice for high performance demanding mobile devices.



Product Specification

Capacity	4GB ~ 64GB
SATA Interface	SATA Revision 3.0 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface	Flash Type: MLC
Performance*	Read: up to 530 MB/s Write: up to 200 MB/s
Power Consumption*	Active mode: < 1620 mW Idle mode: < 270 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
DC Supply	3.3V, 1.8V, 1.2V
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.