

PS3108-S8 Half Slim (Reference Design)

Phison's PS3108 Half Slim 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 connector, making it easily be mounted directly to the host. PS3108 Half Slim is a small form factor with the advantages of high density, fast read/write performance and low power consumption. Moreover, the small size of the PS3108 Half Slim makes it an ideal SSD solution for space-restricted devices and an alternative to the 2.5-inch SSDs.



Product Specification

Capacity	16GB ~ 512GB
SATA Interface	SATA Revision 3.1 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface	Flash Type: SLC, MLC 1pcs to 4pcs of TSOP/LGA/BGA flash
Performance*	Read: up to 510 MB/s Write: up to 400 MB/s
Power Consumption*	Active mode: < 4855 mW Idle mode: < 470 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.