

## PS3107-S7 1.8 SATA SSD

### (Reference Design)

Phison's PS3107 1.8" SATA SSD delivers all the advantages of flash disk technology with the Serial ATA I/II interface and is fully compliant with the standard 1.8-inch form factor and provides hot-swapping when removing/replacing/upgrading flash disks as well. PS3107 1.8" 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, PS3107 1.8" SATA SSD is the ideal storage solution which satisfies major market demands of various applications.



## Product Specification

<b>Capacity</b>	4GB ~ 256GB
<b>SATA Interface</b>	SATA Revision 2.6 SATA 1.5Gbps and 3Gbps interface
<b>Flash Interface</b>	Flash Type: SLC, MLC 1pcs to 8pcs of TSOP flash 1pcs to 4pcs of BGA flash
<b>Performance*</b>	Read: up to 135 MB/s Write: up to 90 MB/s
<b>Power Consumption*</b>	Active mode: < 1570 mW Idle mode: < 100 mW
<b>MTBF</b>	More than 1,000,000 hours
<b>Advanced Flash Management</b>	Static and Dynamic Wear Leveling, Bad Block Management, TRIM, SMART, Over-Provision, Firmware Update
<b>Operating Voltage</b>	3.3V (default); 5V (optional)
<b>Operating Temperature</b>	0°C ~ 70°C
<b>Storage Temperature</b>	-40°C ~ 85°C

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