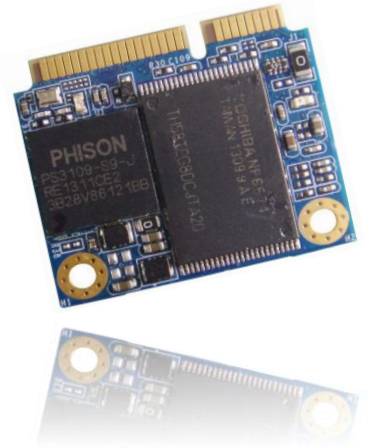


## PS3109-S9 mSATA mini (Reference Design)

Phison's PS3109 mSATA mini delivers all the advantages of flash disk technology with the Serial ATA I/II/III interface and is fully compliant with the standard mSATA-mini form factor. PS3109 mSATA mini 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 PS3109 mSATA mini makes it an ideal SSD solution for space-restricted devices and an alternative to the 2.5-inch SSDs.



### Product Specification

<b>Capacity</b>	4GB ~ 128GB
<b>SATA Interface</b>	SATA Revision 3.0 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
<b>Flash Interface</b>	Flash Type: SLC, MLC 1pcs to 2pcs of TSOP/BGA flash
<b>Performance*</b>	Read: up to 510 MB/s Write: up to 200 MB/s
<b>Power Consumption*</b>	Active mode: < 1730 mW Idle mode: < 285 mW DEVSLP mode: < 5 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
<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.