

Industrial PS3110-S10 2.5" SATA SSD

Phison's 2.5" SATA Solid State Disk (SSD) delivers all the advantages of flash disk technology with Serial ATA III interface, including being fully compliant with standard 2.5-inch form factor. The device is designed based on the standard 7-pin interface for data segment and 15-pin for power segment, as well as operating at a maximum operating frequency of 300MHz with 30MHz external crystal. Its capacity could provide a wide range up to 2TB for MLC application; reach up to 550MB/s read as well as 530MB/s write high performance based on Toshiba's 1Xnm MLC flash.



Product Specification and Features

Capacity		64GB up to 2TB
SATA Interface		SATA Revision 3.2 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface and Support		Flash type: 24nm SLC, 15nm MLC/ Pseudo SLC , 3D TLC 1pcs to 16pcs TSOP/BGA flash
Performance (Max)		Read/Write: Up to 550/530 MB/s IOPS: Up to 92K/90K
Power Consumption ^{Note1}		Active mode: < 5,500mW Idle mode: < 450mW
TBW (Terabytes Written) ^{Note1}		4,114 TBW for 2TB MLC; 10,273 TBW for 256GB SLC
MTBF		≥ 2,000,000 hours
Advanced Technology		Default: SMART ECC™(RAID ECC), SmartRefresh™, End to End Data Path Protection Optional: GuaranteeFlush™, SmartFlush™
Specific Feature	Thermal Sensor	Support
	AES 256bit	Optional
	HW Write protect	Optional
	Quick/ Destroy/ Military Erase	Optional
	pFail Protection Circuit	Optional
Operating Temperature		Silver grade: 0°C ~ 70°C ; Diamond grade: -40°C ~ 85°C
Environment		Storage Temperature: -40°C ~ 85°C Vibration: 80Hz~2000Hz@20G Mechanism Shock (operation/ non-operating): 1500G@0.5ms
RoHS and Halogen Free compliant		Support

Physical Dimension

- ❖ 100.00mm (L) x 69.85mm (W) x 7.00mm (H)

