

Industrial PS3111-S11 CFast

Phison's CFast™ delivers all the advantages of Flash Disk technology with the Serial ATA III interface and is fully compliant with the standard CFast™ form factor. Given the features of the low power consumption, small form factor, and high shock-resistance, CFast™ is an attractive solution to replace the conventional [PATA-interfaced] CompactFlash card in industrial applications or markets where performance is a major concern. CFast™ consist of a SATA-based 7-pin standard interface for data segment and 17-pin for power and controller segment. Its capacity could provide a wide range up to 128GB. Moreover, it can reach up to 555MB/s read as well as 465MB/s write high performance based on 1Xnm MLC flash.



Product Specification and Features

Capacity	16GB to 128GB
SATA Interface	SATA Revision 3.2 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
Flash Interface and Support	Flash type: 24nm SLC, 15nm MLC/ PseudoSLC , 3D TLC 1pcs to 2pcs BGA flash
Performance (Max)	Read/Write: Up to 555/465 MB/s
Power Consumption ^{Note1}	Active mode: < 1,475 mW Idle mode: < 260 mW DEVSLP mode: < 5 mW
TBW (Terabytes Written) ^{Note2}	181 TBW for 128GB MLC
MTBF	≥ 2,000,000 hours
Advanced Technology	Default: SMART ECC™(LDPC+RAID ECC), SmartRefresh™, End to End Data Path Protection, SmartZIP™, SmartFlush™ Optional: GuaranteeFlush™
Specific Feature	Thermal Sensor Military Erase
	Optional 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

CFast™ : 36.4mm (L) x 42.8mm (W) x 3.3mm (H)

