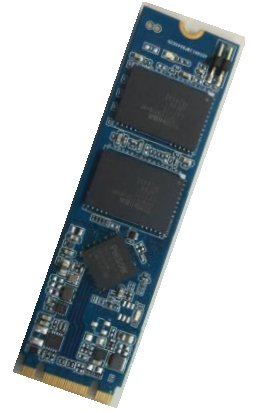


## Industrial PS3111-S11 M.2 2280

Phison's PS3111 M.2 2280 delivers all the advantages of flash disk technology with the Serial ATA I/II/III Interface and is fully compliant with the standard Next Generation Form Factor (NGFF) called M.2 Card Format, which is generated by Intel. The PS3111 M.2 2280 is designed to operate at a maximum operating frequency of 200MHz with 30MHz external crystal. Its capacity could provide a wide range up to 512GB. Moreover, it can reach up to 550MB/s read as well as 490MB/s write high performance based on 1Xnm MLC flash.



### Product Specification and Features

<b>Capacity</b>		2GB to 1TB
<b>SATA Interface</b>		SATA Revision 3.2 SATA 1.5Gbps, 3Gbps, and 6Gbps interface
<b>Flash Interface and Support</b>		Flash type: 24nm SLC, 15nm MLC/ PseudoSLC, 3D TLC 1pcs to 4pcs of TSOP/BGA flash
<b>Performance (Max)</b>		Read/Write: Up to 550/490 MB/s
<b>Power Consumption</b> <sup>Note1</sup>		Active mode: < 2,650 mW Idle mode: < 318 mW DEVSLP mode: < 5 mW
<b>TBW (Terabytes Written)</b> <sup>Note1</sup>		544 TBW for 512GB MLC
<b>MTBF</b>		≥ 2,000,000 hours
<b>Advanced Technology</b>		Default: SMART ECC™(LDPC+RAID ECC), SmartRefresh™, End to End Data Path Protection, SmartZIP™, SmartFlush™ Optional: GuaranteeFlush™
<b>Specific Feature</b>	<b>Thermal Sensor</b>	Optional
	<b>HW Write protect</b>	Optional
	<b>Quick/ Destroy Erase</b>	Optional
	<b>Military Erase</b>	Optional
<b>Operating Temperature</b>		Silver grade: 0°C ~ 70°C ; Diamond grade: -40°C ~ 85°C
<b>Environment</b>		Storage Temperature: -40°C ~ 85°C Vibration: 80Hz~2000Hz@20G Mechanism Shock (operation/ non-operating): 1500G@0.5ms
<b>RoHS and Halogen Free compliant</b>		Support

### Physical Dimension

M.2 2280 :  $80 \pm 0.15\text{mm}$  (L) x  $22 \pm 0.15\text{mm}$  (W) x  $2.3 \pm 0.08\text{mm}$  (H)

