

## Specifications

<b>Model</b>	SH250-7LP2 90D
<b>Interface</b>	SATA 3.2 (6Gb/s)
<b>Connector</b>	7-pin
<b>Form Factor</b>	SATA Disk Module
<b>NAND Flash Type</b>	3D TLC
<b>Capacity</b>	10GB ~ 40GB
<b>External DRAM</b>	No
<b>Sustained Read Performance (MB/sec)</b>	Up to 310
<b>Sustained Write Performance (MB/sec)</b>	Up to 305
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPs (4K Random Write)</b>	69K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Housing</b>	Optional
<b>H/W Write Protect</b>	Optional
<b>Cable-less Solution</b>	Optional (7+2 cable-less, Pin 7 Power cable-less)
<b>Thermal Sensor</b>	Yes
<b>Shock</b>	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
<b>Vibration</b>	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15 ~ 2000 Hz/sine (compliant with MIL-STD-810G)
<b>Operating Voltage</b>	5.0 V ± 5%
<b>Power Consumption</b>	Active mode: 235 mA / Idle mode: 55 mA
<b>Dimension (L x W x H)</b>	33.00 mm x 29.30 mm x 8.85 mm
<b>MTBF (hours)</b>	>1,000,000