

Specifications

Model	ST250-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5"
NAND Flash Type	3D TLC
Capacity	64GB~1TB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 560
Sustained Write Performance (MB/sec)	Up to 520
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	75K
Standard Operating Temperature (°C)	0 ~ + 70
Wide Temperature (°C)	-
Storage Temperature (°C)	-40 ~ + 100
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine (compliant with MIL-STD-202G) Non-operation: Acceleration, 1,500(G)/0.5(ms)/half sine (compliant with MIL-STD-883K)
Vibration	Operation: 7.69(Grms), 20~2000(Hz)/random (compliant with MIL-STD-810G) Non-operation: 4.02(Grms), 15~2000(Hz)/random (compliant with MIL-STD-810G)
Operating Voltage	5.0 V ± 10%
Power Consumption	Active mode: 340mA / Idle mode: 95 mA
Dimension (L x W x H)	7mm: 100.00 x 69.85 x 6.90mm
MTBF (hours)	>3,000,000