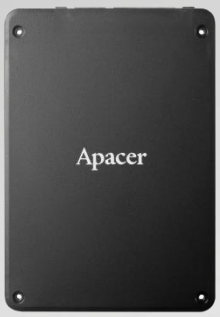
Apacer

The Most **Reliable** Storage For Industries

SU120-25



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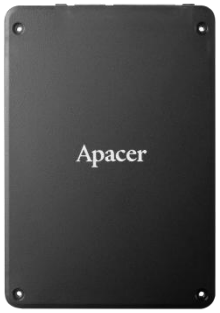
SU120-25

Overview



In today's challenging Industrial environment, there is a need that SSDs must posses high endurance and reliability for heavy loading and write-intensive Embedded , IPC, HealthCare and networking systems. Apacer SU120-25 SATA SSD is engineered to meet the demanding need by adopting Apacer proprietary SLC lite technology. It utilizes the infrastructure of MLC flash to simulate the performance and durability of SLC flash. This exclusive design strikes a cost-performance balance between MLC and SLC flash types, making SU120-25 an ideal alternative solution for mission-critical Embedded and Industrial applications.

Feature

- SLC lite Technology
- Wide Temperature support
- Built-in S.M.A.R.T. Functions
- Intelligent Power Failure Recovery
- DEVSLP Support (Optional)
- 7mm Housing

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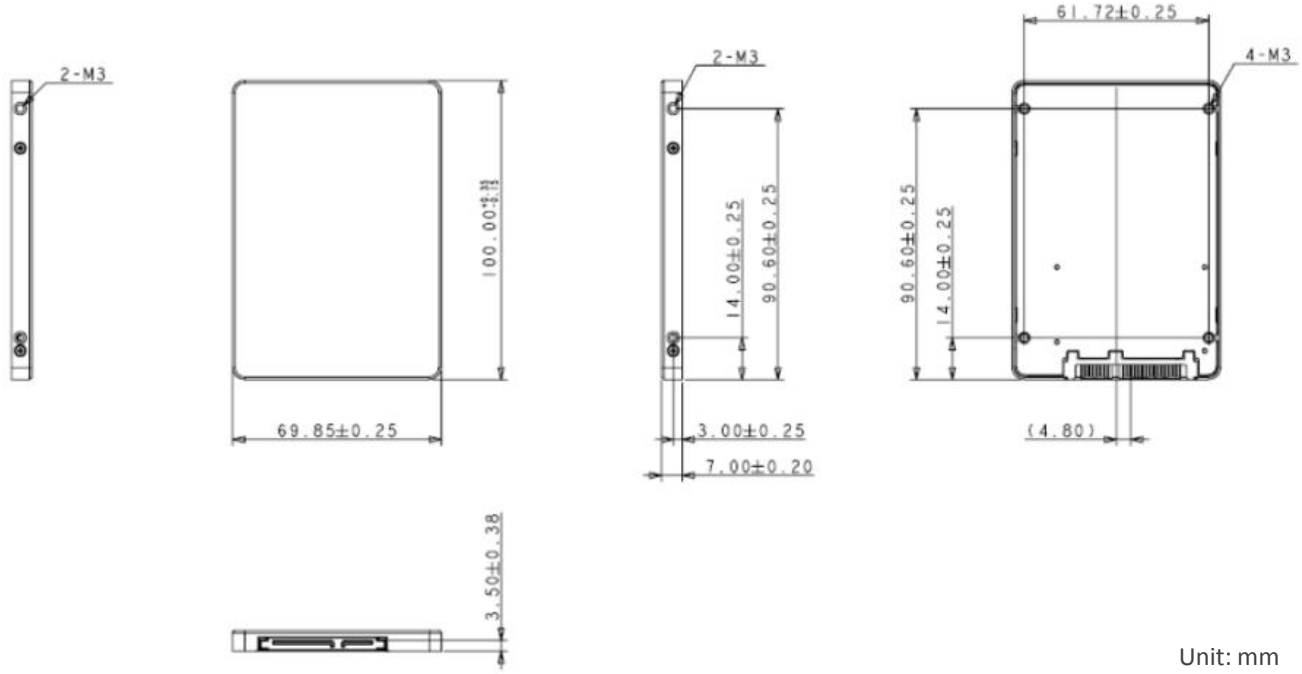
Specifications

Model	SU120-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5
NAND Flash Type	MLC
Capacity	16GB~128GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 430
Sustained Write Performance (MB/sec)	Up to 190
ECC Engine	Built-in 72-bit per 1K bytes BCH ECC
IOPs (4K Random Write)	22K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 85
Thermal sensor	No
Shock	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15 G, 10 ~ 2000 Hz/sine
Operating Voltage	5.0 V ± 5%
Power Consumption	Active mode: 320 mA & Idle mode: 75 mA
Dimension (L x W x H)	100 x 69.8 x 7 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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