

Apacer

The Most **Reliable**
Storage For Industries



SM130-25

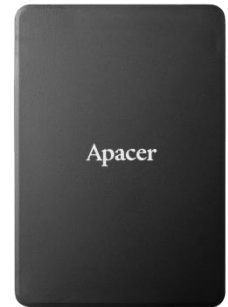
Apacer



SM130-25

Overview

Apacer SM130-25 is designed for requiring high capacity, performance and reliability applications. With adoption of SATA 3.0 transmission interface, SM130-25 offers large storage capacities from 512GB to 2TB with excellent IOPs. It is suitable for industrial and server applications to optimize its operating conditions featuring in high-speed, stability and power savings.



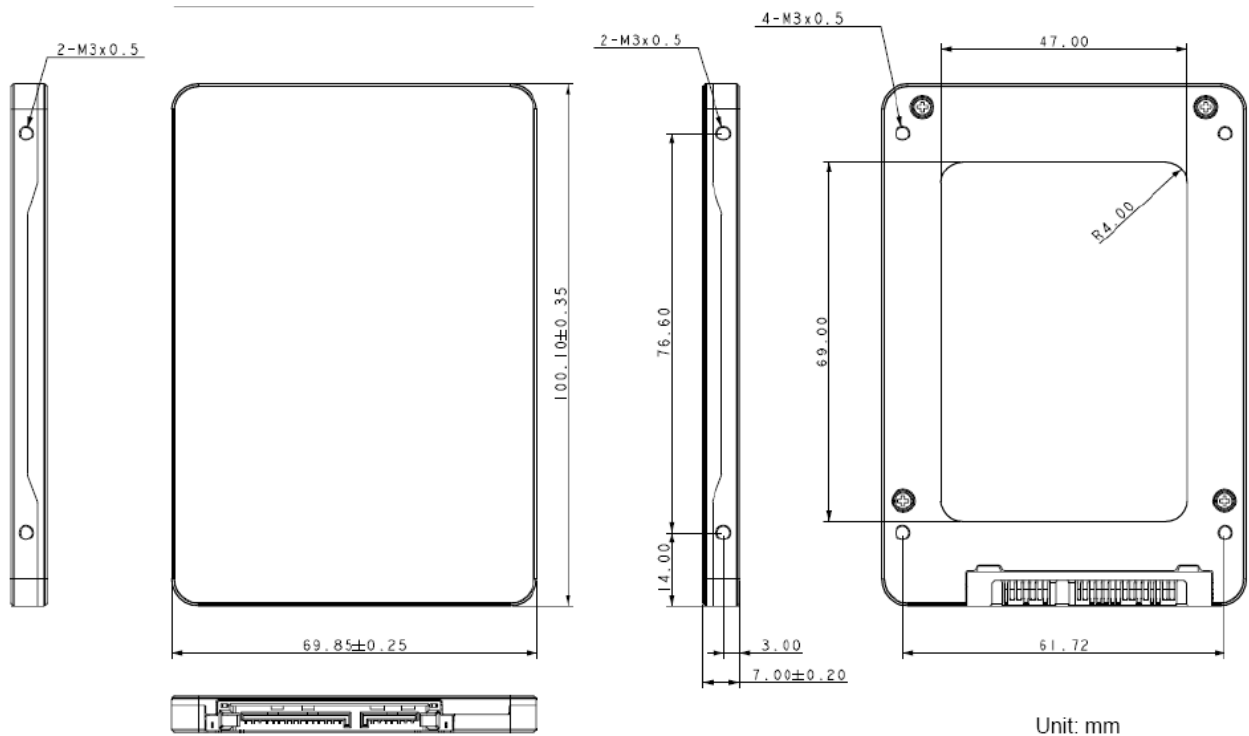
Feature

- Advanced 4K Page Mapping Technology
- Excellent IOPs
- Wide Temperature support
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- End to End Data Protection
- DEVSLP Support (Optional)
- 7mm Housing

Specifications

Model	SM130-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5
NAND Flash Type	MLC
Capacity	512GB~2TB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 530
Sustained Write Performance (MB/sec)	Up to 500
ECC Engine	Built-in 75-bit per 2K bytes BCH ECC
IOPs (4K Random Write)	89K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal sensor	Optional
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: 1,040 mA & Idle mode: 95 mA
Dimension (L x W x H)	100 x 69.8 x 7 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

Unit: mm

For more information, contact your Apacer representative

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