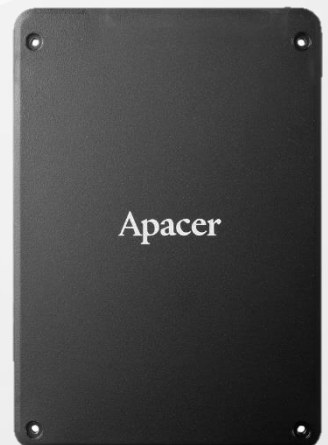


# Apacer

The Most **Reliable**  
Storage For Industries

**SM230-25**



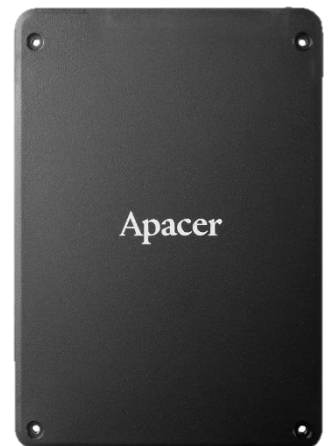
## SM230-25

### Overview

Apacer's SM230-25 is a well-balanced solid-state disk (SSD) drive with standard form factor and great performance. Designed in SATA 6.0 Gbps interface, the SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading industrial or server operations.

In regard of reliability, the drive comes with various implementations including powerful hardware ECC engine, power saving modes, wear leveling, flash block management, S.M.A.R.T., TRIM, and power failure management.

Last but not the least, with Advanced Encryption Standard (AES) and Trusted Computing Group (TCG) Opal support, SM230-25 ensures data security and provides users with a peace of mind knowing their data is safeguarded against unauthorized use at all times.



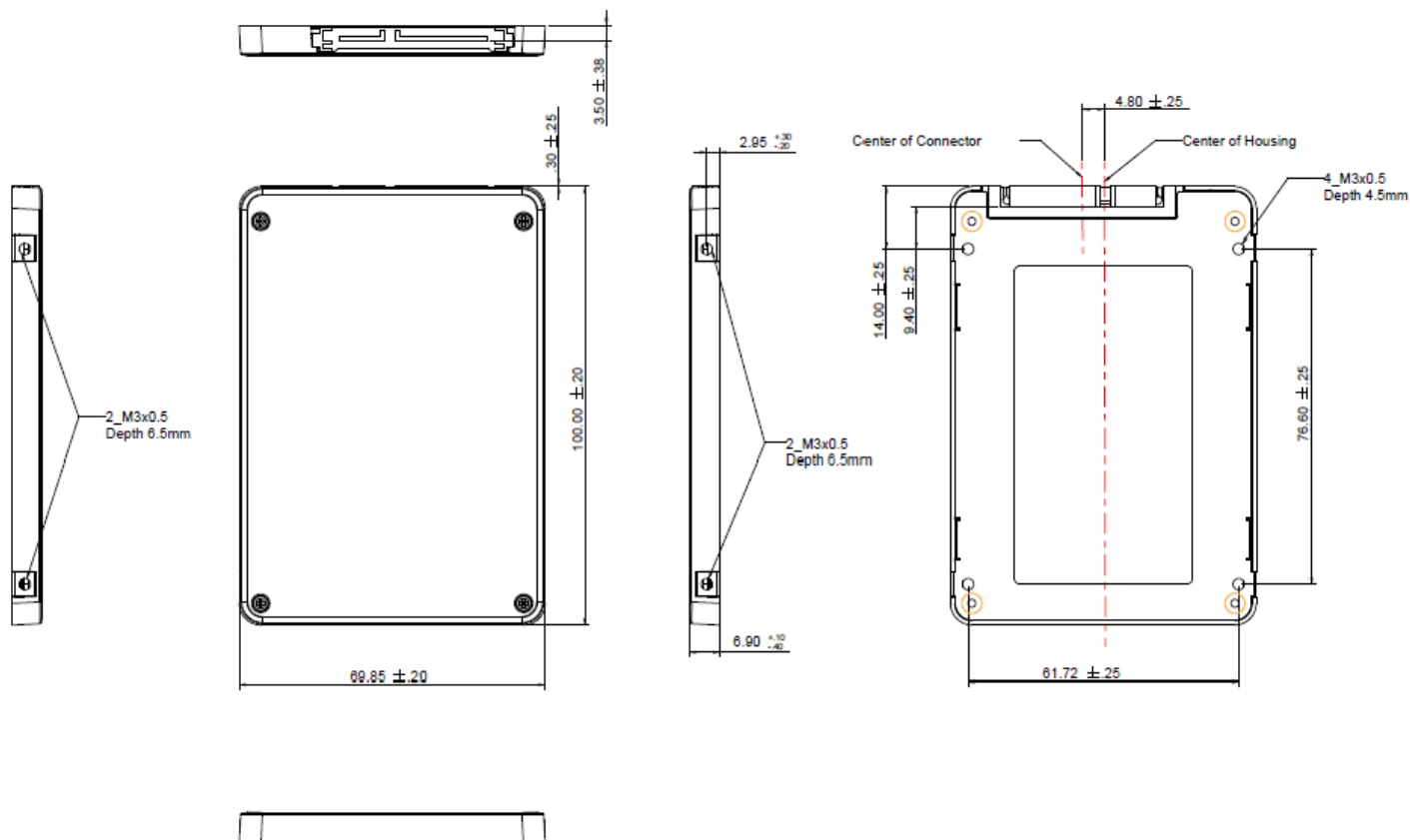
### Feature

- Built-in hardware ECC
- Global Wear Leveling
- Flash bad-block management
- S.M.A.R.T.
- Power Failure Management
- Device Sleep
- ATA Secure Erase
- TRIM
- Support TCG Opal 2.0/AES 256-bit encryption

## Specifications

<b>Model</b>	SM230-25
<b>Interface</b>	SATA 3.2 (6Gb/s)
<b>Connector</b>	(7+15) pin male
<b>Form Factor</b>	2.5"
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	32GB~1TB
<b>External DRAM</b>	No
<b>Sustained Read Performance (MB/sec)</b>	Up to 530
<b>Sustained Write Performance (MB/sec)</b>	Up to 520
<b>ECC Engine</b>	Built-in 40-bit per 1K bytes BCH ECC
<b>IOPS (4K Random Write)</b>	65K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Shock</b>	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
<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: 500 mA / Idle mode: 95 mA
<b>Dimension (L x W x H )</b>	7mm:100.00 x 69.85 x 6.90mm
<b>MTBF (hours)</b>	>1,200,000

## Mechanical Specification



Unit: mm  
Tolerance:  $\pm 2$

For more information,  
contact your Apacer representative

### Global Presence

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