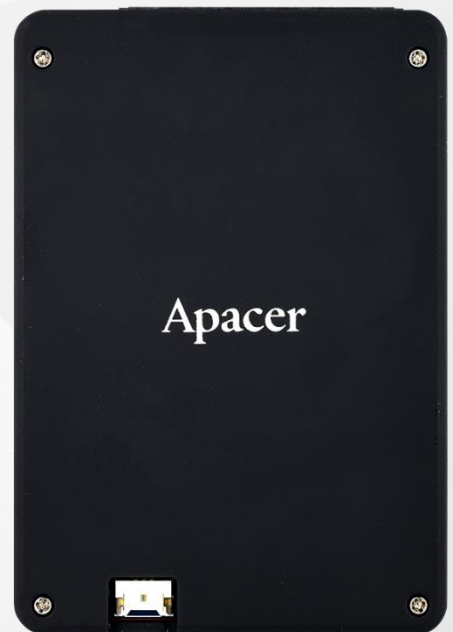


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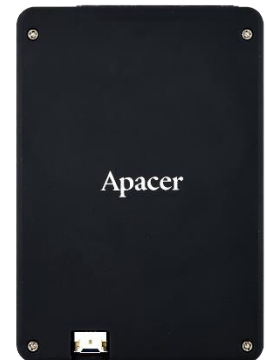
The Most **Reliable**  
Storage For Industries

**SV240-25**



### Overview

Apacer's CoreRescue series SV240-25 with CoreSnapshot 3 technology is a well-balanced solid-state disk (SSD) drive with a standard form factor and outstanding performance. Designed with a SATA 6 Gb/s interface, SV240-25 fully complies with the latest SATA Revision 3.2 specifications and delivers outstanding read/write speeds. Its random performance is further enhanced by the integration of DRAM in the internal controller, making it ideal for heavy-load industrial or server operations.



Utilizing 3D NAND technology for higher capacities of up to 960GB and offering superior power efficiency than 2D NAND, SV240-25 is equipped with a robust SATA controller supporting on-the-module ECC and an efficient wear leveling scheme. Additionally, it features an LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and enhance data reliability. SV240-25 also includes a built-in thermal sensor that monitors SSD temperature via S.M.A.R.T commands, preventing overheating. For highly demanding applications, End-to-End Data Protection ensures data integrity at various points in the data transfer path. Moreover, Advanced Encryption Standard (AES) provides robust security, offering users peace of mind by safeguarding their data against unauthorized access at all times.

On top of that, SV240-25 features CoreSnapshot 3 technology, a system disaster's savior, to offer an instant whole disk backup and recovery mechanism for SSDs to solve unexpected data loss or OS crash immediately, reducing downtime and maximizing output.

With regard to flash management, SV240-25 incorporates numerous advanced features, including flash block management, DataDefender, ATA secure erase, TRIM, page mapping, Hyper Cache technology, over-provisioning, device sleep, power-saving modes, DataRAID, and SMART Read Refresh.

With its exceptional performance, proven reliability, and enhanced data protection, SV240-25 is an ideal storage or cache solution for a variety of applications, including industrial, imaging, computing, and enterprise markets.

## Feature

- Low-Density Parity-Check (LDPC) Code
- Global Wear-leveling
- Flash Bad-block Management
- S.M.A.R.T.
- CoreSnapshot 3
- ATA Secure Erase
- TRIM
- Flash Translation Layer: Page Mapping
- Hyper Cache Technology
- Over-provisioning
- Device Sleep
- SATA Power Management
- DataRAID
- SMART Read Refresh
- DataDefender

## Specifications

<b>Model</b>	SV240-25 CoreSnapshot 3 Client Edition
<b>Interface</b>	SATA 3.2 (6Gb/s)
<b>Connector</b>	(7+15) Pin
<b>Form Factor</b>	2.5"
<b>NAND Flash Type</b>	3D TLC
<b>Capacity</b>	120GB~960GB
<b>External DRAM</b>	No
<b>Sustained Read Performance (MB/sec)</b>	Up to 560
<b>Sustained Write Performance (MB/sec)</b>	Up to 395
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPs (4K Random Write)</b>	72K
<b>Standard Operating Temperature ( °C )</b>	0 ~ 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ 85
<b>Storage Temperature ( °C )</b>	-55 ~ 100
<b>Housing</b>	No
<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/random (Compliant with MIL-STD-810G)
<b>Operating Voltage</b>	5.0 V ± 5%
<b>Power Consumption</b>	Active Mode: 500 mA / Idle Mode: 100 mA
<b>Dimension (L x W x H )</b>	7mm: 100.00 x 69.85 x 6.90 mm
<b>MTBF (hours)</b>	>3,000,000

## Mechanical Specification

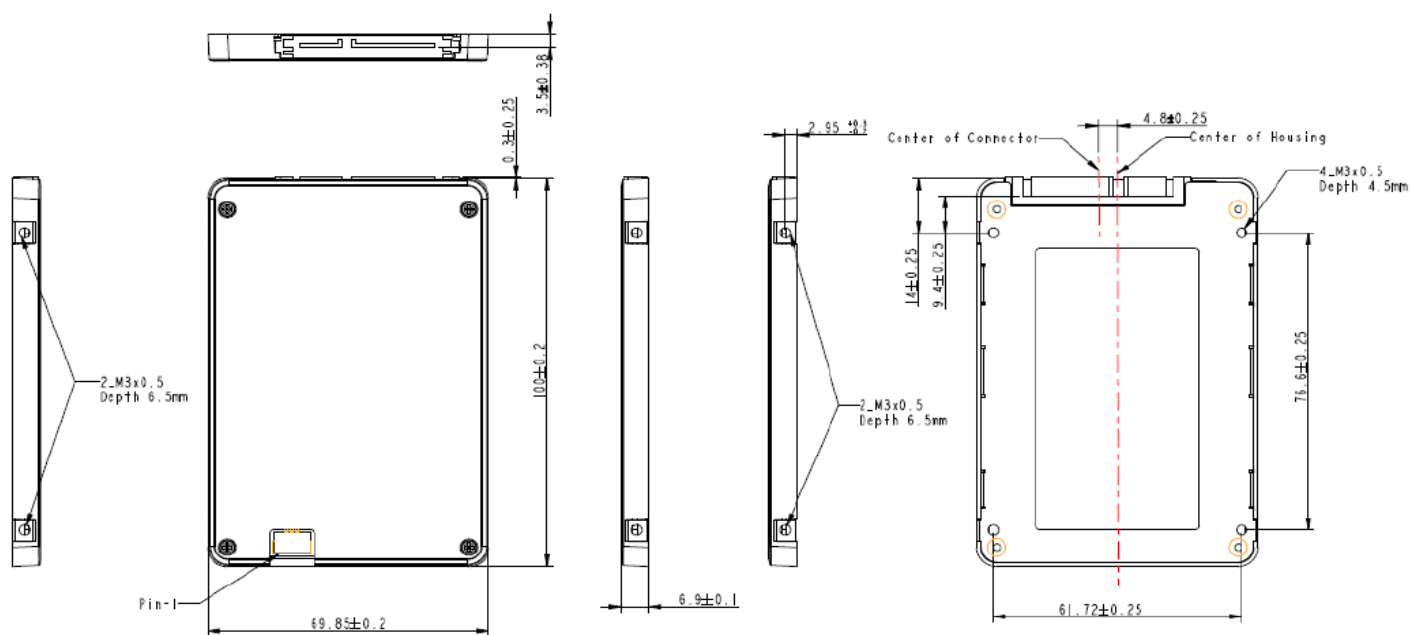


Figure 10-1 Physical Dimensions

For more information,  
contact your Apacer representative

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