

# Apacer

The Most **Reliable**  
Storage For Industries

**SV24P-25**



## SV24P-25

### Overview

Apacer's SV24P-25 is a well-balanced solid-state disk (SSD) drive with standard form factor and great performance. Designed in SATA 6.0 Gb/s interface, the SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading industrial or server operations.

SV24P-25 utilizes 3D NAND for higher capacity up to 1,920GB and provides more power efficiency than 2D NAND. Regarding reliability, SV24P-25 is implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability. In addition, the drive comes with various implementations including powerful hardware ECC engine, power saving modes, wear leveling, flash block management, S.M.A.R.T. and TRIM.

In terms of security, Advanced Encryption Standard (AES) ensures data security and provides users with a peace of mind knowing their data is safeguarded. Furthermore, with End-to-End Data Protection, data integrity can be assured at multiple points in the path to enable reliable delivery of data transfers.



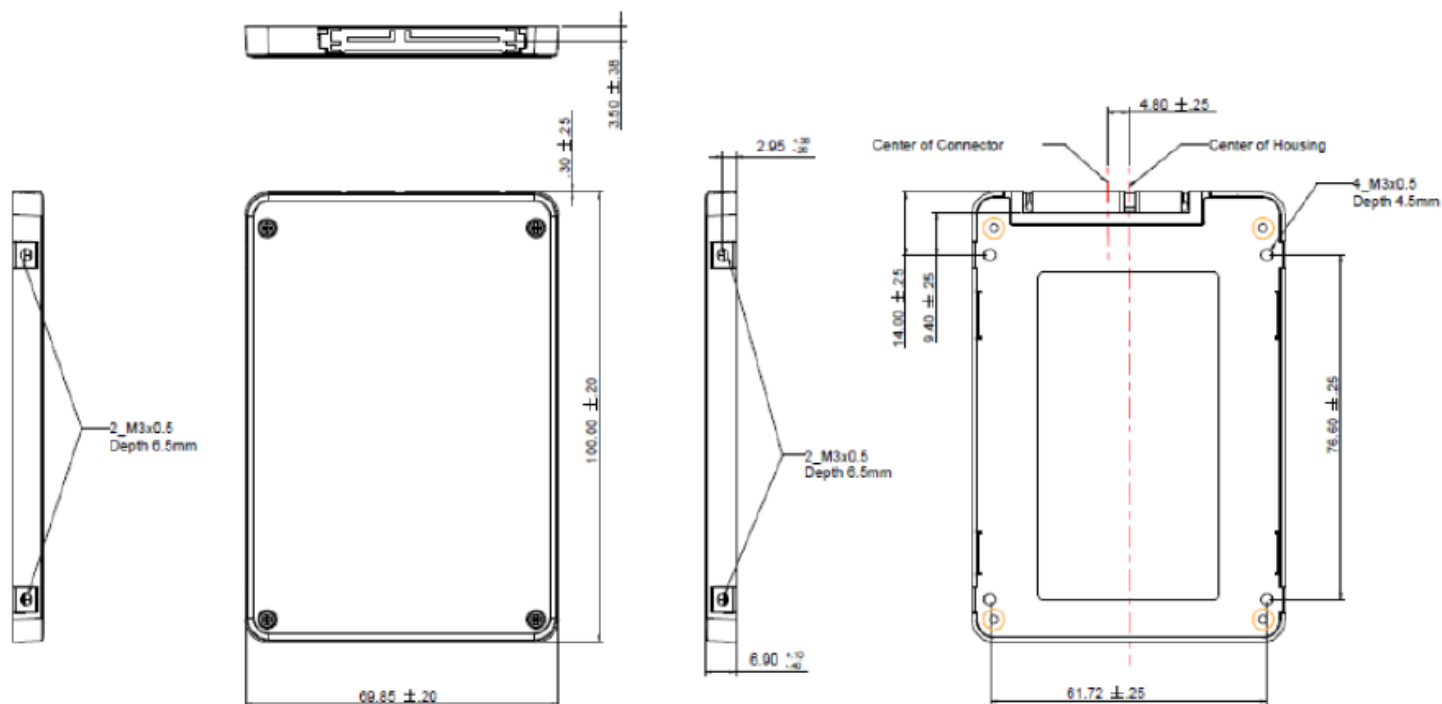
### Feature

- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- S.M.A.R.T.
- ATA Secure Erase
- Device Sleep
- TRIM
- Hyper Cache Technology
- Over-Provisioning
- DataRAID™
- SMART Read Refresh™
- CorePower

## Specifications

<b>Model</b>	SV24P-25
<b>Interface</b>	SATA 3.0 (6Gb/s)
<b>Connector</b>	(7+15) pin male
<b>Form Factor</b>	2.5"
<b>NAND Flash Type</b>	3D TLC
<b>Capacity</b>	120GB~1920GB
<b>External DRAM</b>	Yes
<b>Sustained Read Performance (MB/sec)</b>	Up to 560
<b>Sustained Write Performance (MB/sec)</b>	Up to 495
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPS (4K Random Write)</b>	84K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Wide Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Shock</b>	Operation: 50(G)/11(ms) (compliant with MIL-STD-202G) Non-operation: 1,500(G)/0.5(ms) (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 ± 10%
<b>Power Consumption</b>	Active mode: 485mA / Idle mode: 65 mA
<b>Dimension (L x W x H )</b>	7mm:100.00 x 69.85 x 6.90mm
<b>MTBF (hours)</b>	>3,000,000

## Mechanical Specification



Unit: mm

**For more information,  
contact your Apacer representative**

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