

Apacer

The Most **Reliable**
Storage For Industries

SV170-25



SV170-25

Overview

Apacer's SV170-25 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.

SV170-25 utilizes 3D NAND for higher capacity up to 960GB and provides more power efficiency than 2D NAND. Regarding reliability, SV170-25 is implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability while reading raw data inside a flash chip. In addition, the drive comes with various implementations including powerful hardware ECC engine, power saving modes, wear leveling, flash block management, power failure management, S.M.A.R.T. and TRIM.



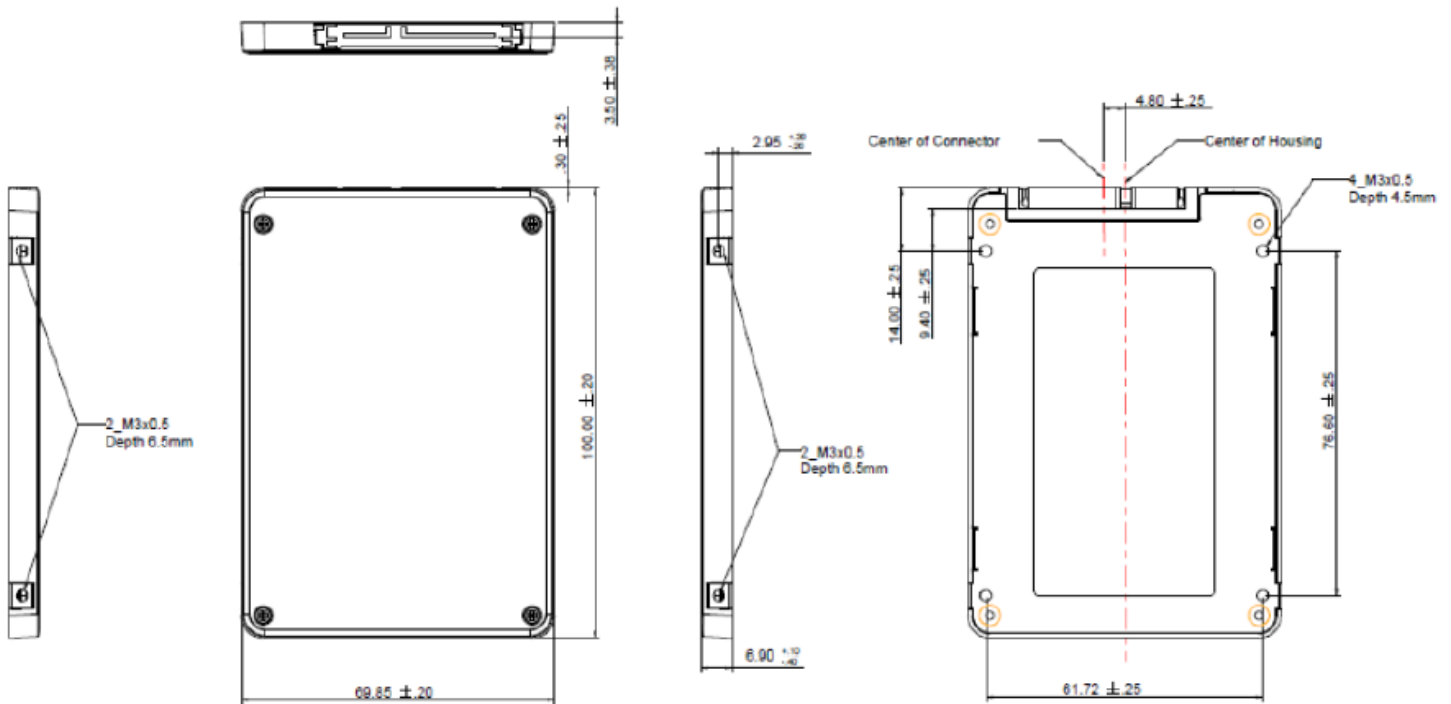
Feature

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

Specifications

Model	SV170-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin
Form Factor	2.5"
NAND Flash Type	3D TLC
Capacity	60GB-960GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 560
Sustained Write Performance (MB/sec)	Up to 510
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	86K
Standard Operating Temperature (°C)	0 ~ + 70
Wide Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine Non-operation: Acceleration, 1,500(G)/0.5(ms)/half sine (compliant with MIL-STD-883K)
Vibration	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)
Operating Voltage	5.0 V±5%
Power Consumption	Active mode: 370 mA Idle mode: 75 mA
Dimension (L x W x H)	100.00 x 69.85 x 6.90, unit:mm

Mechanical Specification



Unit: mm

For more information,
contact your Apacer representative

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