

# Apacer

The Most **Reliable**  
Storage For Industries

**ST170-25**



## ST170-25

### Overview

Apacer's ST170-25 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.

ST170-25 utilizes 3D NAND for higher capacity up to 960GB and provides more power efficiency than 2D NAND. It is suitable for Embedded, POS, KIOSK and IPC applications to optimize its operating conditions featuring in high-speed, stability and power savings.



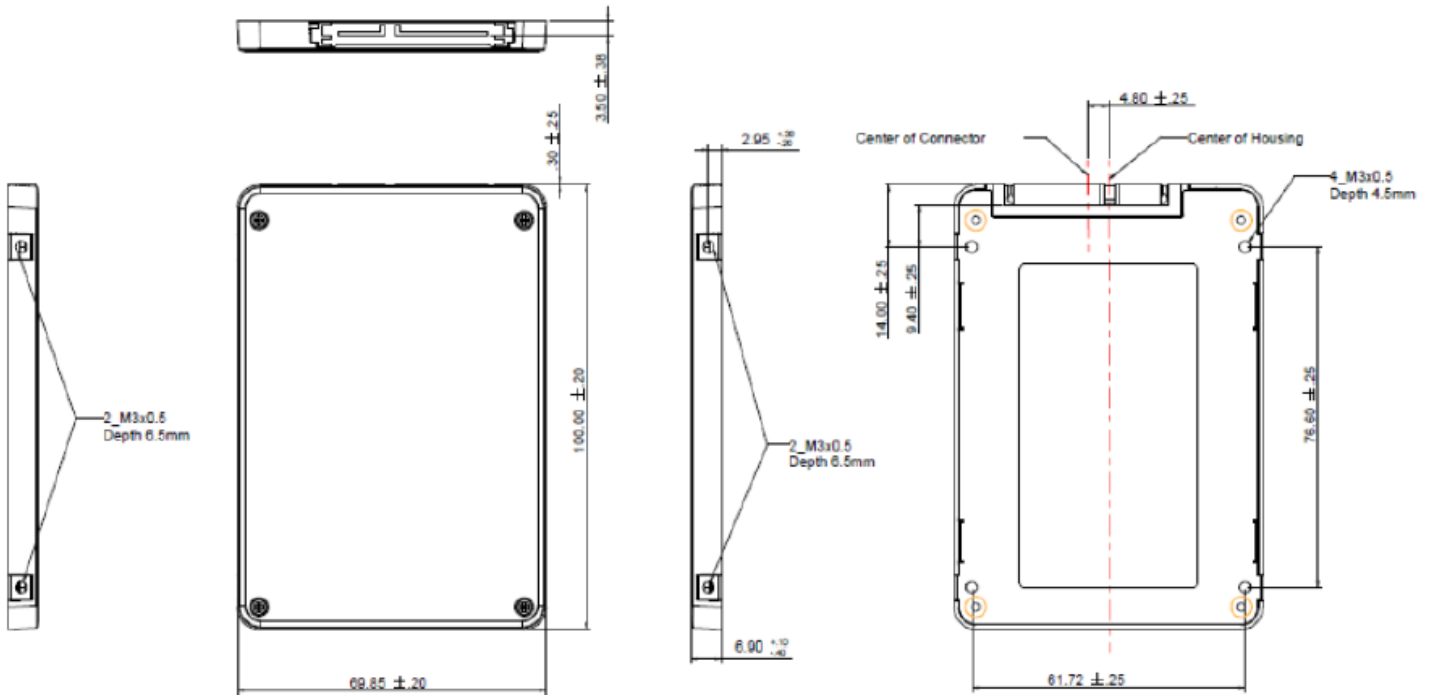
### Feature

- Support LDPC ECC
- Global Wear Leveling technology
- Flash Bad-block Management
- S.M.A.R.T. and SSDWidget support
- Power Failure Management
- End-to-End Data Protection
- TRIM Support
- Mechanical design available in 7mm height

## Specifications

<b>Model</b>	ST170-25
<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>	30GB~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 510
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPS (4K Random Write)</b>	85K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Thermal sensor</b>	Yes
<b>Shock</b>	Operation: Acceleration, 50(G)/11(ms)/half sine Non-operation: Acceleration, 1,500(G)/0.5(ms)/half sine (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: 355 mA / Idle mode: 75 mA
<b>Dimension (L x W x H )</b>	7mm: 100.00 x 69.85 x 6.90mm
<b>MTBF (hours)</b>	>1,000,000

## Mechanical Specification



Unit: mm

For more information,  
contact your Apacer representative

### Global Presence

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