

Apacer

The Most **Reliable**
Storage For Industries

SU210-25



SU210-25

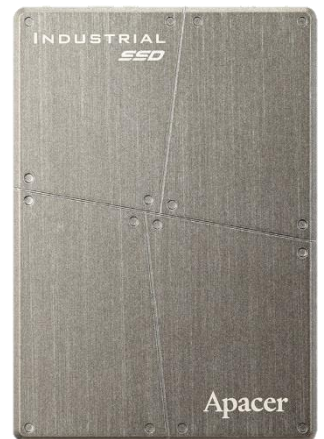
Overview

Apacer's SU210-25 is a well-balanced solid-state disk (SSD) drive with compact 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.

For data efficiency, the internal controlling unit of the SSD is engineered with DRAM for enhanced random performance. 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.

Feature

- Built-in Hardware ECC
- Global Wear Leveling
- Flash Bad-block Management
- S.M.A.R.T.
- Power Failure Management
- ATA Secure Erase
- TRIM

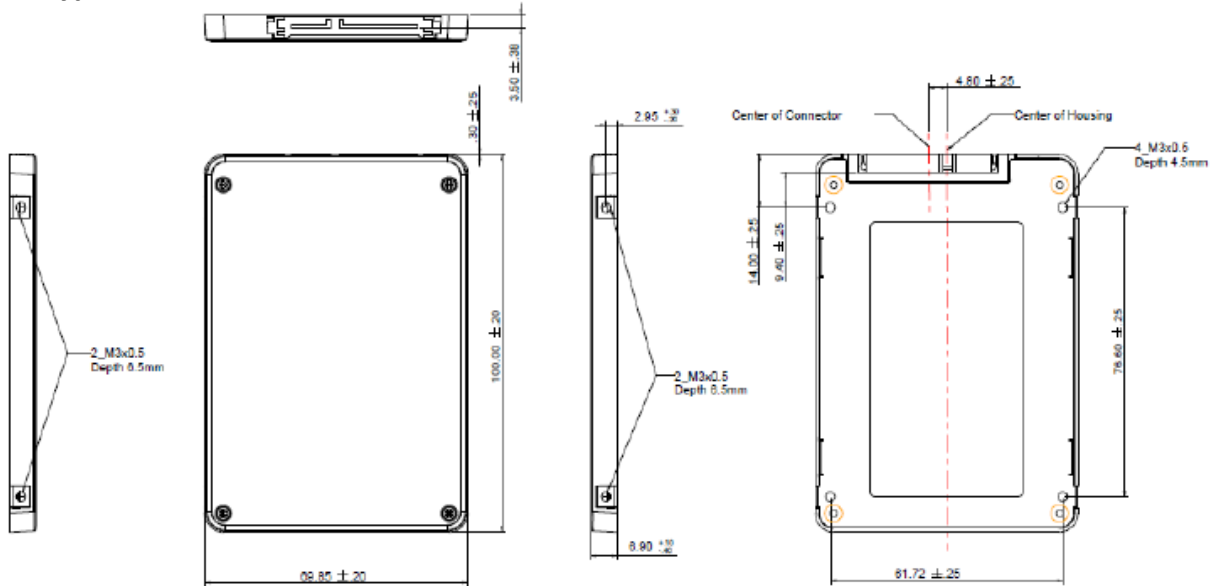


Specifications

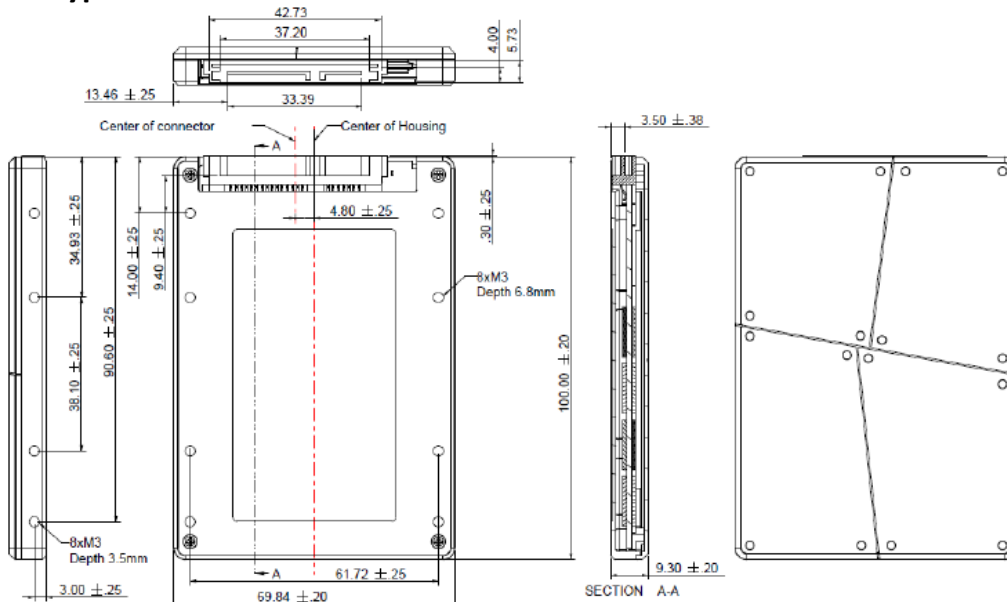
Model	SU210-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5"
NAND Flash Type	MLC
Capacity	16GB~256GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 545
Sustained Write Performance (MB/sec)	Up to 450
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
IOPS (4K Random Write)	80K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating 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)
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: 500 mA / Idle mode: 95 mA
Dimension (L x W x H)	7mm:100.00 x 69.85 x 6.90mm 9.5mm: 100.00 x 69.85 x 9.3mm
MTBF (hours)	>1,000,000

Mechanical Specification

7mm Type Dimensions



9.5mm Type Dimensions



Unit: mm

For more information,
contact your Apacer representative

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