

Apacer

The Most **Reliable**
Storage For Industries



SM210-25



SM210-25

Overview

Apacer SM210-25 is designed for the high levels of performance and reliability. With adoption of SATA 3.0 transmission interface, SM210-25 offers storage capacities from 32GB to 512GB with excellent IOPs. The drive comes with various implementations including Apacer CorePower, CoreSecurity, global wear leveling, flash block management, S.M.A.R.T., TRIM, and extended temperature support. It is suitable for Embedded, POS, KIOSK and IPC applications to optimize its operating conditions featuring in high-speed, stability and power savings. *The actual available memory on the device is less than what is listed on the package. This is due to small discrepancies in file formats and algorithms used by various operating systems. In addition, a portion of memory space is reserved for system files and data sectors for better performance.



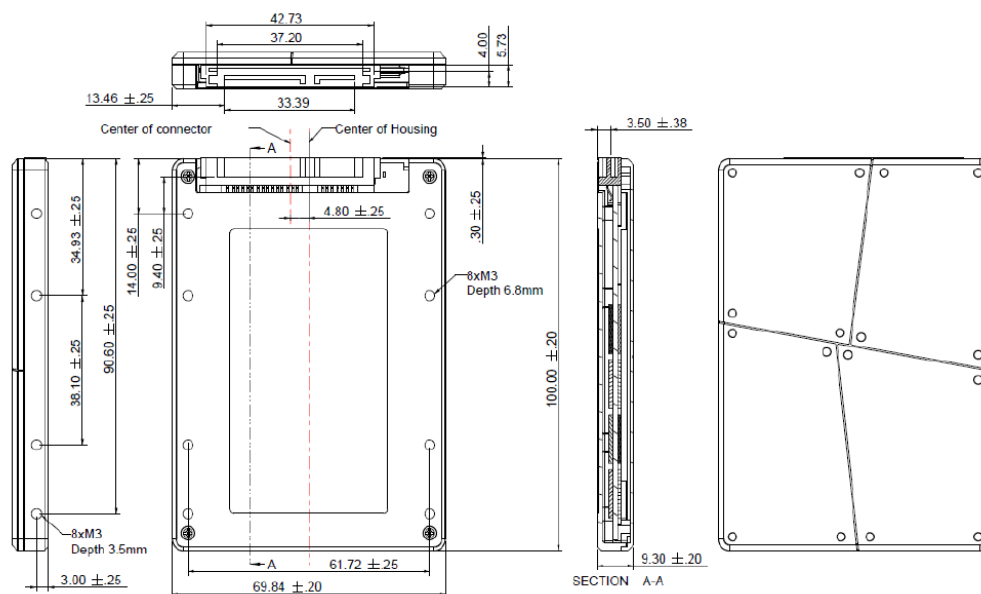
Feature

- Advanced 4K Page Mapping Technology
- Excellent IOPs- Wide Temperature support
- S.M.A.R.T. Functions
- CoreSecurity Technology (Optional)
- CorePower Technology (Optional)
- DEVSLP Support (Optional)
- 9.5mm and 7mm Housing (Optional)
- 30u Connector (Optional)

Specifications

Model	SM210-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5
NAND Flash Type	MLC
Capacity	32GB~512GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 510
Sustained Write Performance (MB/sec)	Up to 380
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
IOPs (4K Random Write)	79K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal sensor	Optional
Shock	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15 G, 10 ~ 2000 Hz/sine
Operating Voltage	5.0 V ± 5%
Power Consumption	Active mode: 680 mA & Idle mode: 60 mA
Dimension (L x W x H)	100 x 69.8 x 9.3 / 100 x 69.8 x 7 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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