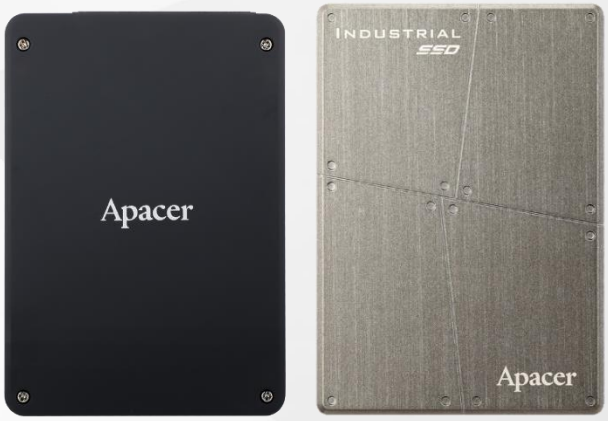
Apacer

The Most **Reliable** Storage For Industries

SM210-25



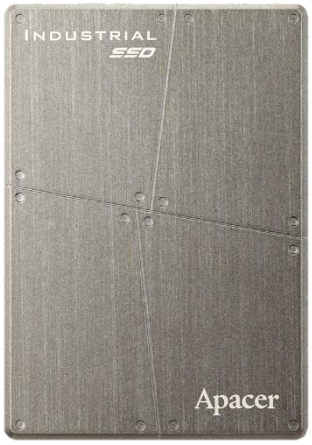
Apacer

industrial.apacer.com

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 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.





Feature

· Advanced 4K Page Mapping Technology

· Excellent IOPS

· Wide Temperature support

· S.M.A.R.T. Functions

· DEVSLP Support

· TRIM

· CoreSecurity Technology (Optional)

· 30u Connector (Optional)

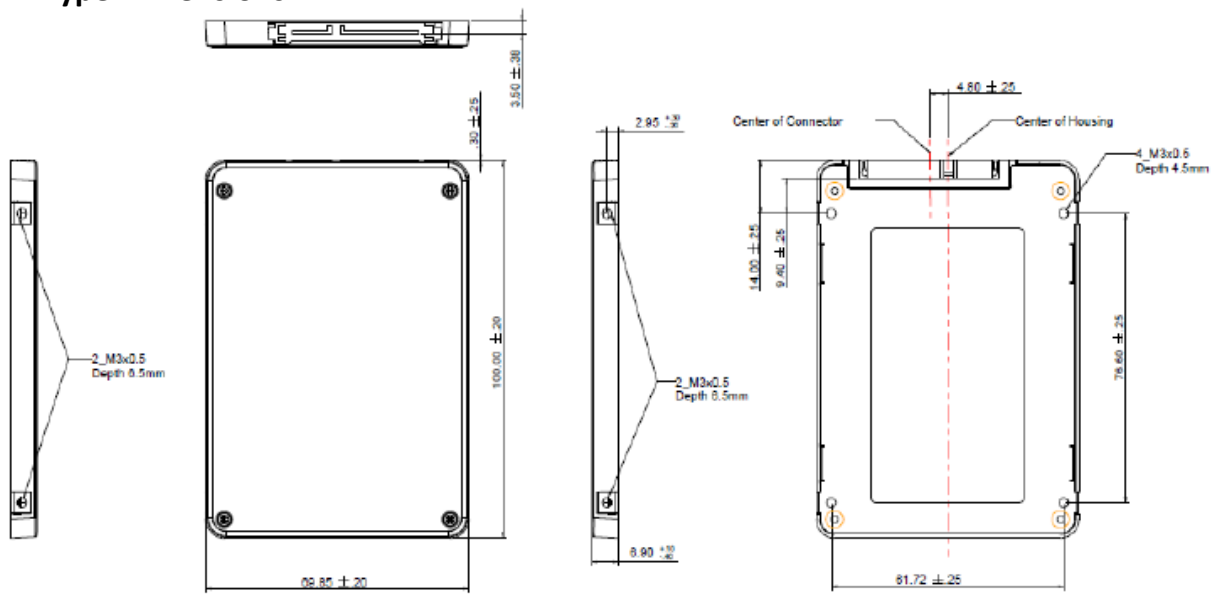
· Mechanical design available in both 9.5mm & 7mm height

Specifications

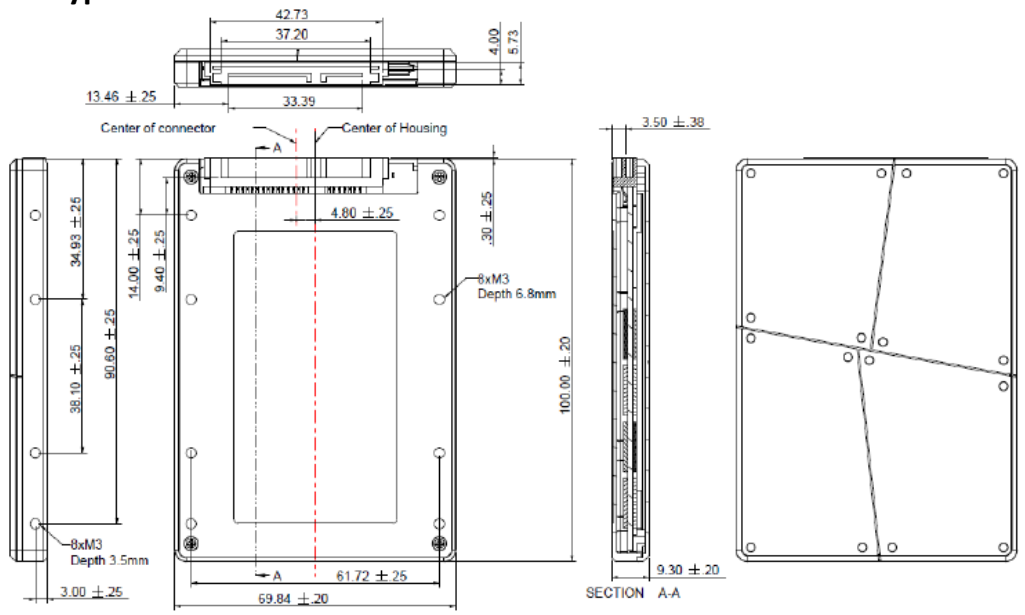
Model	SM210-25
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5"
NAND Flash Type	MLC
Capacity	32GB~512GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 510
Sustained Write Performance (MB/sec)	Up to 380
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
IOPS (4K Random Write)	79K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal Sensor	Yes
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: 680 mA & Idle mode: 60 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

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

China
Apacer Electronic(Shanghai) Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215