

Apacer

The Most **Reliable**
Storage For Industries

SS130-25



SS130-25

Overview

Apacer SS130-25 (2.5 inch) Embedded Solid State Drive is a speedy and reliable companion for industrial PC and laptops. Designed in SATA 6.0 Gb/s interface, the drive can deliver outstanding performance up to 520 MB/s sustained transfer rate, highly suitable to serve as operating system boot drive or storage media of important data. With its compliance with the latest SATA specification, this cutting edge device supports power management, which greatly saves in power consumption, making it more environmental and economical than traditional hard disk drives.

Regarding data reliability, the controller unit of SS130-25 is built with a powerful ECC engine in the device correcting up to 120bit per 2KB data. For better I/O performance, the controller unit comes with an external DDR3 cache to strengthen the IOPS (Input Output Per Second) of the device, proving to be the ideal companion for PC and laptop users.

Feature

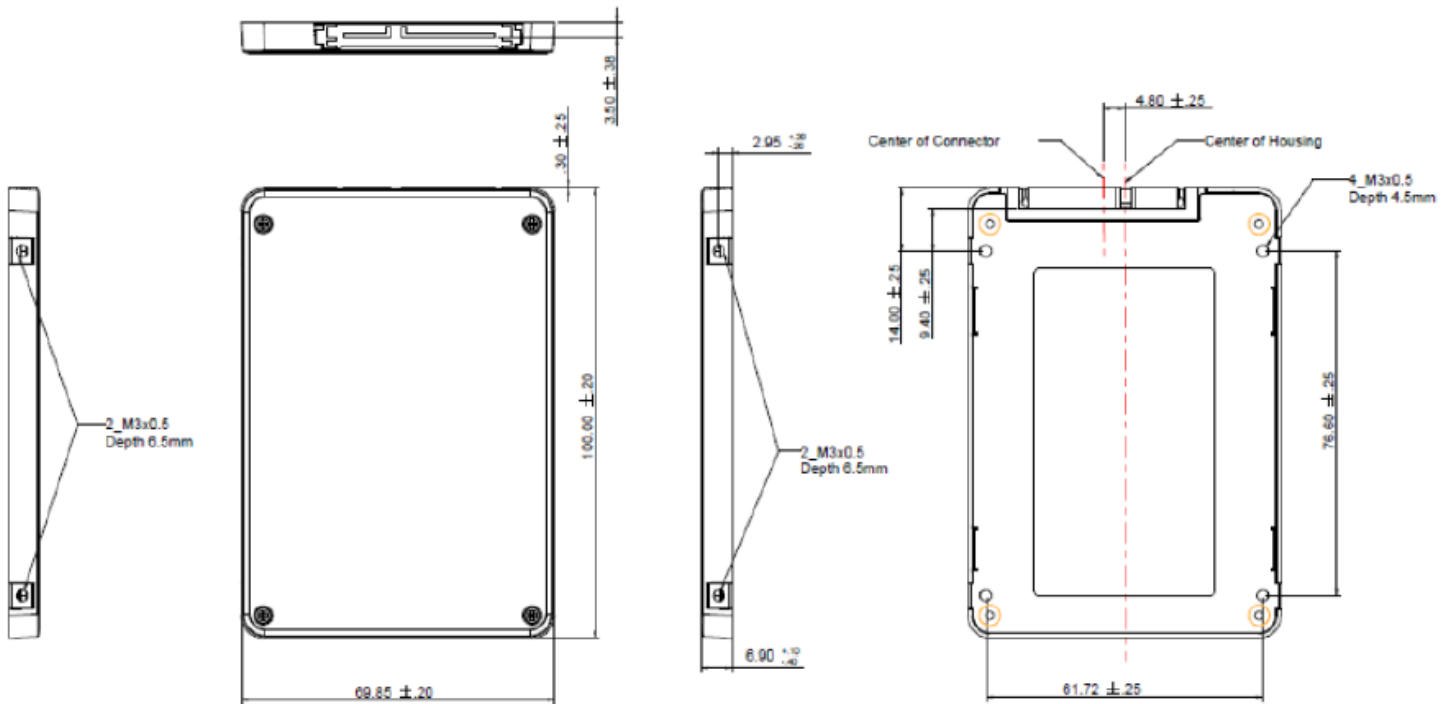
- Built-in hardware ECC
- Global Wear Leveling
- Flash bad-block management
- S.M.A.R.T.
- Power Failure Management
- Device Sleep
- TRIM



Specifications

Model	SS130-25
Interface	SATA 3.1 (6Gb/s)
Connector	(7+15) pin
Form Factor	2.5"
NAND Flash Type	SLC
Capacity	32GB~512GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 520
Sustained Write Performance (MB/sec)	Up to 540
ECC Engine	120bit ECC per 2KB page
IOPS (4K Random Write)	90K
Standard Operating Temperature (°C)	0 ~ + 70
Wide Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Thermal sensor	Yes
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine (compliant with MIL-STD-202G) 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: 1,160 mA Idle mode: 85 mA
Dimension (L x W x H)	100.00 x 69.85 x 6.90, unit: mm
MTBF (hours)	>2,000,000 hours

Mechanical Specification



Unit: mm

For more information,
contact your Apacer representative

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