

Apacer

The Most **Reliable**
Storage For Industries



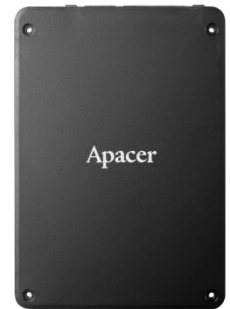
SFD25H1-M



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Overview

Apacer SFD25H1-M 2.5" SATA SSD delivers all the advantages of flash disk technology with Serial ATA 6.0 Gb/s interface, including being fully compliant with standard 2.5-inch form factor, providing low power consumption compared to traditional hard drive and hot-swapping when removing/replacing/upgrading flash disks. The device is designed for Embedded and IPC systems required high performance and reliability.



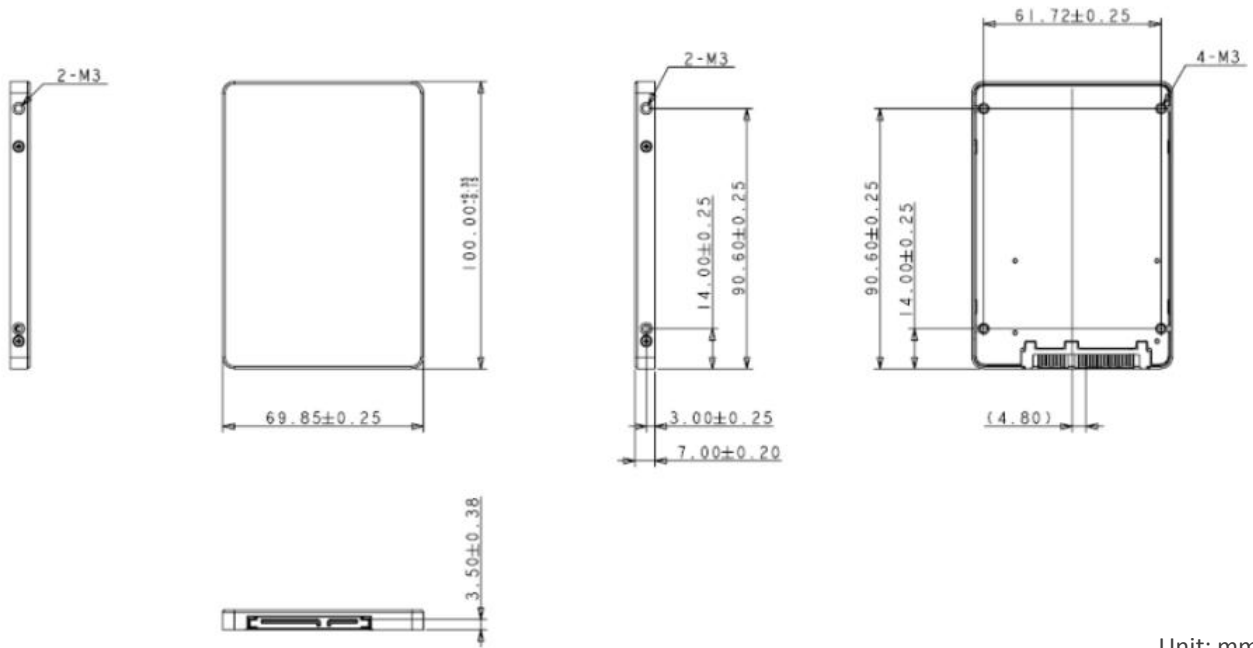
Feature

- Advanced 4K Page Mapping Technology
- Wide Temperature support
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- Intelligent Power Failure Recovery
- DEVSLP Support (Optional)
- 7mm Housing

Specifications

Model	SFD25H1-M
Interface	SATA 3.0 (6Gb/s)
Connector	(7+15) pin male
Form Factor	2.5
NAND Flash Type	MLC
Capacity	8GB~256GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 430
Sustained Write Performance (MB/sec)	Up to 190
ECC Engine	Built-in 72-bit per 1K bytes BCH ECC
IOPs (4K Random Write)	22K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 85
Thermal sensor	No
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: 320 mA & Idle mode: 75 mA
Dimension (L x W x H)	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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