

Apacer

The Most **Reliable**
Storage For Industries



SDM5 7P/90D LP(H)



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Overview

Apacer SDM5 7P/90D LP(H)(SATA Disk Module 7-pin/90 Degree /with housing)is one of the smallest SSDs in the market. With SATA interface and only 12% of the size of a 2.5”hard disk, the SSD is 90% lighter than traditional hard disks. The unique hook design of the product, along with the innovative concept of ridding of power cables, fully demonstrates the advantages of the shockproof feature and built-in power supply. Its slim size enables a compact design space that prevents mechanical interference and also conforms to the trend of product “miniaturization”, and Apacer Inc. takes a positive view on its application in the 1U enterprise server market that requires slim chassis design.



(Optional)

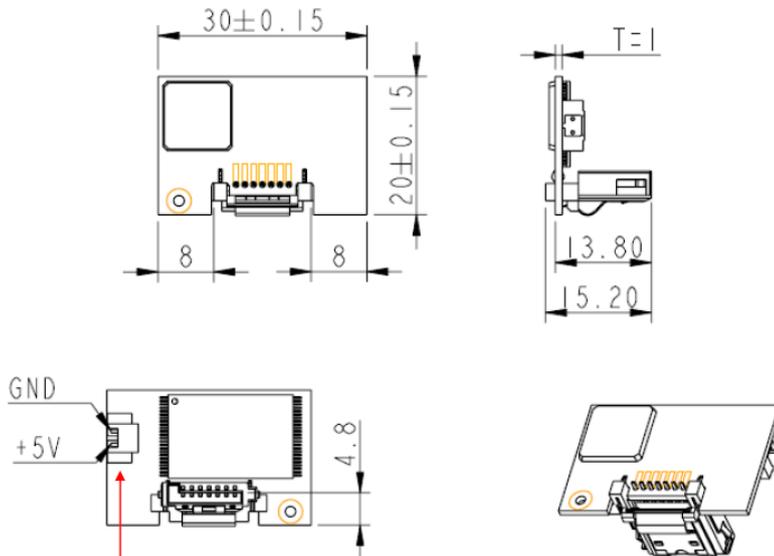
Feature

- 7-pin SATA connector
- Unique Hook Design
- Power Cable-less Solution
- Perfect Solution for 1U System
- TRIM Command Support
- Product Housing Selection (Optional)
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- Global Wear-Leveling and Block Management

Specifications

Model	SDM5 7P/90D LP(H)
Interface	SATA 3.0 (6Gb/s)
Connector	7-pin
Form Factor	SATA Disk Module
NAND Flash Type	SLC
Capacity	Standard Type: 1GB~16GB High-speed Type: 8GB~32GB (in cable-less type only)
External DRAM	No
Sustained Read Performance (MB/sec)	Standard Type: Up to 42 High-speed Type: Up to 290
Sustained Write Performance (MB/sec)	Standard Type: Up to 41 High-speed Type: Up to 265
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40~ + 85
Storage Temperature (°C)	-40~ + 100
Housing	Optional
H/W Write Protect	No
Screw Hole	No
Cable-less Solution	Optional (7+2 pin)
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 Grms, 10 ~ 2000 Hz/sine
Operating Voltage	5.0 V±5%
Power Consumption	Standard Type: Active mode: 130 mA & Idle mode: 95 mA High-speed Type Active mode: 275 mA & Idle mode: 55 mA
Dimension (L x W x H)	Without housing: 30.0 x 20.0 x 5.2 With housing: 32.5 x 23.13 x 17.8
MTBF (hours)	>2,000,000

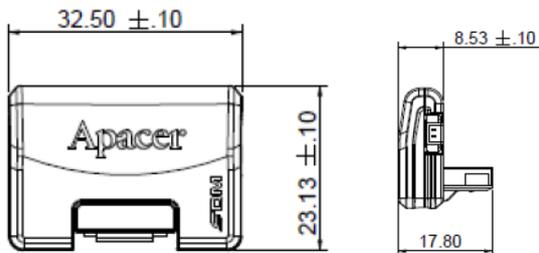
Mechanical Specification (Housing is optional)



For external power cable connection: this feature is available as an option for Standard Type.

Unit: mm

(Optional)



For more information, contact your Apacer representative

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