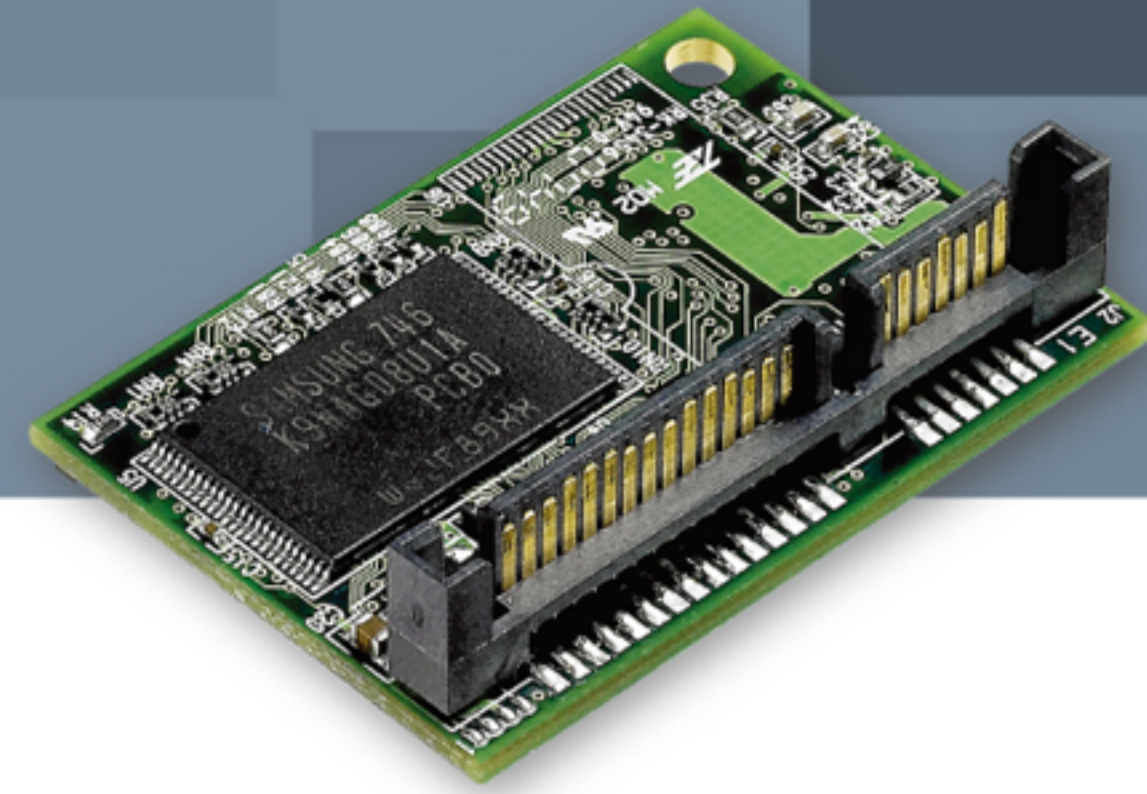


SDM

SATA Disk Module



Features

- 7-pin / 22-pin / mSATA connector
- Advanced wear-leveling and Block management
- Built-in HW ECC and SMART Functions
- Power Failure Recovery
- Built-in Quick Erase

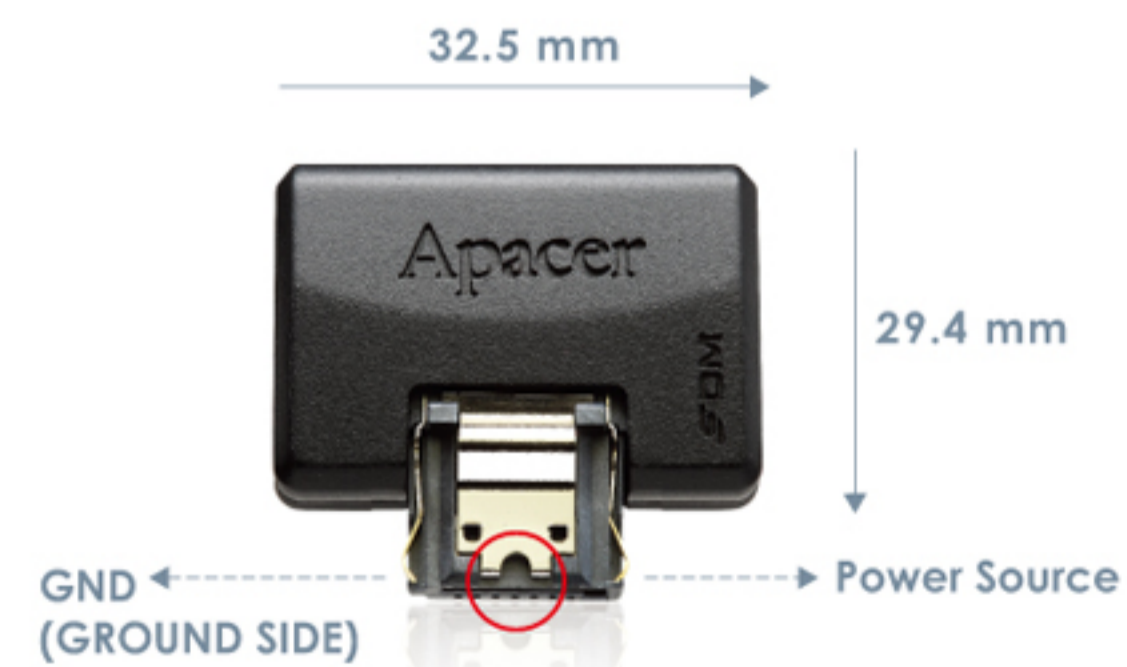
7P/180D LPH Product Features:

- Tiny Size (32.5mm x 29.4mm)
- Unique Hook Design
- Patented Power Cable-less Solution
- Perfect Solution for 1U system

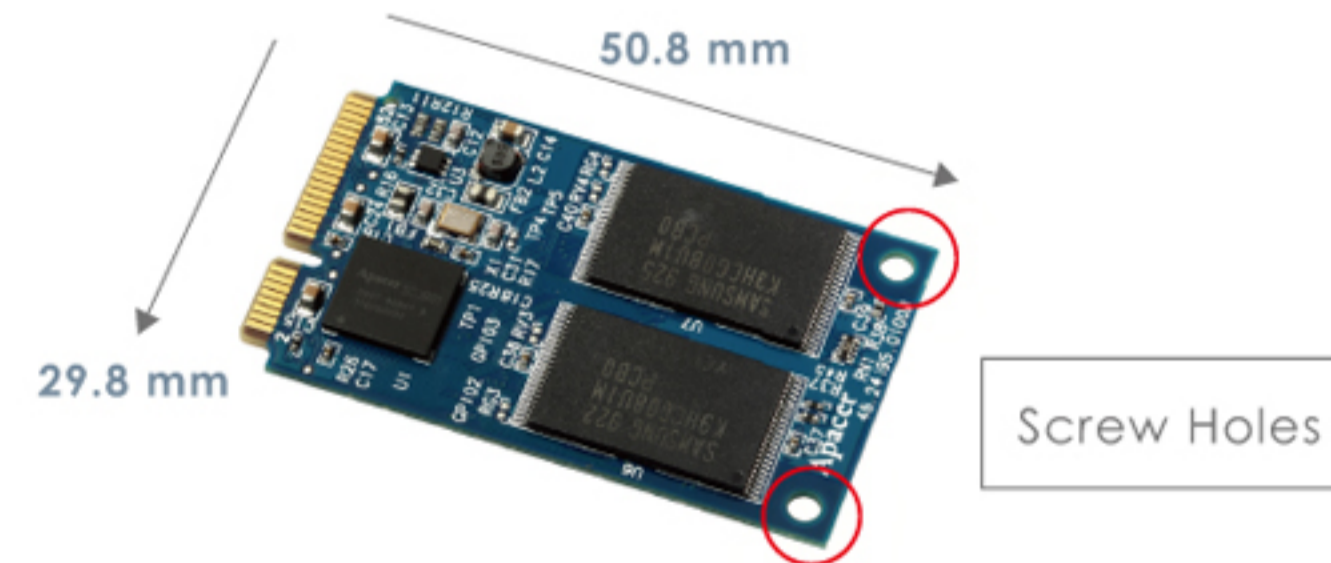
M1 & M1-M Product Features:

- mSATA Connector
- Mini PCIe Form Factor (50.8mm x 29.8mm)
- Compliant with JEDEC MO-300 standard

unique Hook Design



mSATA Connector



Specifications

Model	SDM I				
	7-pin			22-pin	
Connector	7P/90D	7P/180D-L(R)	7P/270D	22P/90D	22P/180D
Model Type	7P/90D	7P/180D-L(R)	7P/270D	22P/90D	22P/180D
Interface	SATA 1.5Gb/s	SATA 1.5Gb/s	SATA 1.5Gb/s	SATA 1.5Gb/s	SATA 1.5Gb/s
Flash Type	SLC	SLC	SLC	SLC	SLC
Capacity	128MB ~ 8GB	128MB ~ 4GB	128MB ~ 8GB	128MB ~ 8GB	128MB ~ 8GB
Max. Sustained R / W Performance (MB / sec)	Standard : 35 / 15 ; High Speed : 35 / 25	Standard : 35 / 15 ; High Speed : 35 / 25	Standard : 35 / 15 ; High Speed : 35 / 25	Standard : 35 / 15 ; High Speed : 35 / 25	Standard : 35 / 15 ; High Speed : 35 / 25
ECC Support	8 bit / 512 Bytes	8 bit / 512 Bytes	8 bit / 512 Bytes	8 bit / 512 Bytes	8 bit / 512 Bytes
Standard Op Temp. (°C)	0 ~ +70	0 ~ +70	0 ~ +70	0 ~ +70	0 ~ +70
Storage Temp (°C)	-40 ~ +100	-40 ~ +100	-40 ~ +100	-40 ~ +100	-40 ~ +100
Shock	50G	50G	50G	50G	50G
Vibration	15G	15G	15G	15G	15G
Humidity	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%
MTBF (hours)	> 2,000,000	> 2,000,000	> 2,000,000	> 2,000,000	> 2,000,000
Product Image					

Model	SDM II					
	7-pin		22-pin		mSATA	
Connector	7P/90D LPH	7P/180D LPH	22P/90D	22P/90D-M	M1	M1-M
Model Type	7P/90D LPH	7P/180D LPH	22P/90D	22P/90D-M	M1	M1-M
Interface	SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s
Flash Type	SLC	SLC	SLC	MLC	SLC	MLC
Capacity	512MB-8GB	512MB-8GB	1GB-32GB	4GB-64GB	4GB-32GB	4GB-64GB
Max. Sustained R / W Performance (MB / sec)	27/27	27/27	100/100	95/50	100/100	95/50
ECC Support	8 bit/512 Bytes	8 bit/512 Bytes	8~15 bit/512 Bytes	8~15 bit/512 Bytes	8~15 bit/512 Bytes	8~15 bit/512 Bytes
Standard Op Temp. (°C)	0 ~ +70°C	0 ~ +70°C	0 ~ +70°C	0 ~ +70°C	0 ~ +70°C	0 ~ +70°C
Storage Temp. (°C)	-40 ~ +100°C	-40 ~ +100°C	-40 ~ +100°C	-40 ~ +100°C	-40 ~ +100°C	-40 ~ +100°C
Shock	50G	50G	50G	50G	50G	50G
Vibration	15G	15G	15G	15G	15G	15G
Humidity	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%
MTBF (hours)	>2,000,000	>2,000,000	>2,000,000	>1,000,000	>2,000,000	>1,000,000
Product Image						