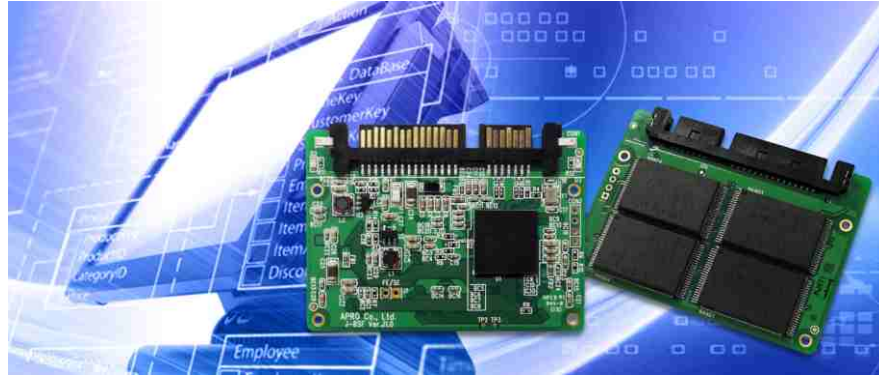


HERMES Series

1.8" Slim Lite SATA II MLC SSD



Product features

- MLC - NAND type flash technology
- 1.8" Slim Lite SATA II SSD compatible with JEDEC Standard: MO-297A physical specification
- Compliant with SATA 1.0a and SATA 2.6 specification
- Maximum sequential read speed 97.9MB/sec
- Maximum sequential write speed 54.5MB/sec
- Capacity from 4GB up to 64GB

Product specifications

- Compatibility**
- SATA 1.0a and SATA 2.6 specification compliance
 - 1.8" Slim Lite SATA II SSD compatible with JEDEC Standard: MO-297A specification
- Flash technology**
- MLC-NAND type flash based
- Host Interface**
- Standard SATA 7-pin (data) + 15-pin (power)
- Performance**
- Data transfer rate: Serial ATA Gen-I (1.5Gbits) and Gen-II (3.0Gbits)
 - Sequential read: 97.9MB/sec (Max.)
 - Sequential write: 54.5MB/sec (Max.)
 - Random access time: 0.2ms
- Environmental specification**
- Operating temp.: STD. 0°C ~ 70°C / IND. -40°C ~ +85°C
 - Non-operating temp.: STD. -20°C ~ +80°C / IND. -50°C ~ +95°C
 - Humidity: 10% ~ 95% non-condensing
 - Vibration: 15G compliance to MIL-STD-810F
 - Shock: 1,500G compliance to MIL-STD-810F
 - Altitude: 70,000 feet
- Power consumption**
- Power requirement: +5V ± 10%
 - Reading mode: 220mA (Max.)
 - Writing mode: 290mA (Max.)
 - Sleeping mode: 150mA (Max.)
- Reliability**
- Wear-leveling: Static wear-leveling algorithms
 - ECC: 8 bits or 15 bits per 512bytes block
- Physical specification**
- Weight (max.): 15 g ± 2 g /0.53 oz.
 - Dimension(W x L x H): 54.00 x 40.10 x 5.45 (mm)
- Conformal coating**
- Option for wide temperature
- Warranty**
- 1 year

Operating temperature supports Standard grade 0°C ~ 70°C and Industrial grade -40°C ~ +85°C

Part number list - 1.8" Slim Lite SATA II MLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	4GB	SB8SJ004G-JACMC	WB8SJ004G-JACMC/C
	8GB	SB8SJ008G-JACMC	WB8SJ008G-JACMC/C
	16GB	SB8SJ016G-JACMC	WB8SJ016G-JACMC/C
	32GB	SB8SJ032G-JACMC	WB8SJ032G-JACMC/C
	64GB	SB8SJ064G-JACMC	WB8SJ064G-JACMC/C

Remarks:

Industrial grade -40°C ~ +85°C with special conformal coating treatment on PCB.A.

Part number decoder

X1	X2	X3	X4	X5	X6	X7	X8	X9	—	X11	X12	X13	X14	X15	/	C			
----	----	----	----	----	----	----	----	----	---	-----	-----	-----	-----	-----	---	---	--	--	--

Example

W	B	8	S	J	0	6	4	G	—	J	A	C	M	C	/	C			
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--

X1 Grade

S : Standard grade operating temp. 0°C ~ 70°C

W : Industrial grade operating temp. -40°C ~ +85°C

X12 Controller version

A,B,C,....

X13 Controller grade

C : Commercial grade

X2 The material of casing

B : Bare (without casing)

X14 Flash IC

M : MLC-NAND flash IC

X3 X4 X5 Product category

8SJ : 1.8" Slim Lite SATA II SSD

X15 Flash IC grade

C : Commercial grade

X6 X7 X8 X9 Capacity

004G : 4GB 032G : 32GB

008G : 8GB 064G : 64GB

016G : 16GB

C Reserved for specific requirement

C : Conformal-coating

X11 Controller

J : JMicron (HERMES Series)

MLC CF

MLC CompactFlash Card

MLC CFast

MLC CFast Card

MLC ATA

MLC PCMCIA ATA Card

MLC MIF

MLC micro IDE Flash Module

MLC MSE

MLC micro SATA Flash Module

MLC MUM

MLC micro USB Module

MLC SSD

MLC Solid State Disk

MLC USB

MLC Rugged Metal USB Flash Disk

MLC SD

MLC SD & SDHC Memory Card

AD

Industrial Adapter Card-Drive

MLC CF

MLC CompactFlash Card

MLC CFast

MLC CFast Card

MLC ATA

MLC PCMCIA ATA Card

MLC MIF

MLC micro IDE Flash Module

MLC MSE

MLC micro SATA Flash Module

MLC MUM

MLC micro USB Module

MLC SSD

MLC Solid State Disk

MLC USB

MLC Rugged Metal USB Flash Disk

MLC SD

MLC SD & SDHC Memory Card

AD

Industrial Adapter Card-Drive