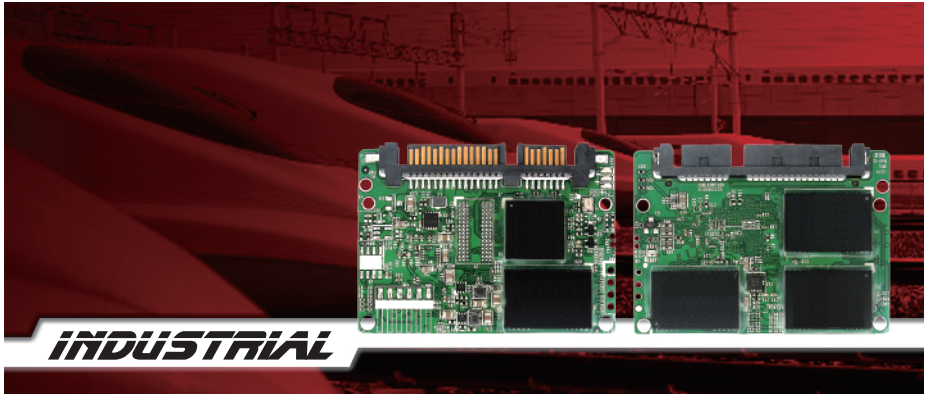


HERMES-JI Series

MLC 1.8" Slim Lite SATA III SSD / JEDEC MO-297A



Product Feature

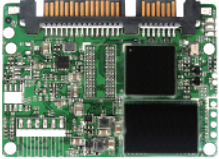
- MLC - NAND type flash technology
- Compliant with SATA 1.0a/ 2.6/ 3.0 specification
- Maximum sequential read speed 420.0 MB/sec (max)
- Maximum sequential write speed 140.0 MB/sec (max)
- Compatible with JEDEC MO-297A physical specification
- S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology)
- Capacity from 4GB up to 256GB

Product Specification

Compatibility	➤ SATA 1.0a, SATA 2.6 and SATA 3.0 Specification compliance	Power consumption	Power requirement ➤ +5 V ± 5%
Form-factor	➤ 1.8" Slim Lite SATA III SSD JEDEC MO-297A Specification compliance	Reading mode	➤ 306mA (Max.)
Flash technology	➤ MLC-NAND type flash based	Writing mode	➤ 280mA (Max.)
Host Interface	➤ SATA 7-pin (data) + 15-pin (power)	Idle mode	➤ 151mA (Max.)
Performance		Reliability	
Data transfer rate	➤ SATA 1.5Gb/s, 3.0Gb/s, 6.0Gb/s	Wear-leveling	➤ Static wear-leveling algorithms
Sequential read	➤ 420.0 MB/sec (Max.)	ECC	➤ 40 bits per 1024 bytes block
Sequential write	➤ 140.0 MB/sec (Max.)	Physical specification	
Random access time	➤ 0.1ms (estimated)	Weight	➤ 15g ± 2g /0.53 oz.
Environmental specification		Dimension(W x L x H)	➤ 54.00 x 39.00 x 5.45 (mm)
Operating temp.	➤ STD. 0°C~70°C/W.T. -40°C~+85°C	Warranty	
Non-operating temp.	➤ STD. -20°C~+80°C/W.T. -50°C~+95°C	MLC(standard/wide temp.)	➤ 2 years / Within 3k Erasing counts
Conformal coating	➤ Option for wide temperature		
Humidity	➤ 10% ~ 95% non-condensing		
Vibration	➤ 7 Hz to 2K Hz, 20G, 3 axes		
Shock	➤ 0.5ms, 1500 G, 3 axes		
Altitude	➤ 70,000 feet		

Operating temperature supports standard grade 0°C ~ 70°C and wide temp. grade -40°C ~ +85°C

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

Product Picture	Capacity	0°C ~ 70°C	- 40°C ~ + 85°C
	4GB	SB8SJ004G-JJCTMB	WB8SJ004G-JJCTMB/C
	8GB	SB8SJ008G-JJCTMB	WB8SJ008G-JJCTMB/C
	16GB	SB8SJ016G-JJCTMB	WB8SJ016G-JJCTMB/C
	32GB	SB8SJ032G-JJCTMB	WB8SJ032G-JJCTMB/C
	64GB	SB8SJ064G-JICTMB	WB8SJ064G-JICTMB/C
	128GB	SB8SJ128G-JICTMB	WB8SJ128G-JICTMB/C
	256GB	SB8SJ256G-JICTMB	WB8SJ256G-JICTMB/C

Remarks : Wide temperature grade -40°C ~ +85°C with special conformal coating treatment on PCBA.

J : 4GB ~ 32GB / I : 64GB-256GB

Part Number Decoder

X1 X2 X3 X4 X5 X6 X7 X8 X9 — X11 X12 X13 X14 X15 X16 / C

Example 1

W B 8 S J 0 3 2 G — J J C T M B / C

Example 2

W B 8 S J 2 5 6 G — J I C T M B / C

X1 Grade

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

W : Wide temp. Grade operating temp. -40° C~+85 ° C

X2 The material of casing

B : Bare (without casing)

X3 X4 X5 Product category

8SJ : 1.8" Slim Lite SATA III SSD

X6 X7 X8 X9 Capacity

004G : 4GB **064G :** 64GB

008G : 8GB **128G :** 128GB

016G : 16GB **256G :** 256GB

032G : 32GB

X11 Controller

J : HERMES Series

X12 Controller version

A, B, C, D,.....

X13 Controller grade

C : Commercial grade

X14 Flash IC

T : Toshiba flash IC

X15 Flash IC grade

M : MLC-NAND flash IC

X16 Generation

B : 15 nm

C Reserved for specific requirement

C : Conformal-coating