

HERMES Series

Industrial 1.8" Slim Lite SATA II SLC SSD



Product features

- SLC - 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 106.3MB/sec
- Maximum sequential write speed 100.4MB/sec
- Capacity from 4GB up to 32GB

Product specifications

Compatibility	<ul style="list-style-type: none"> SATA 1.0a and SATA 2.6 specification compliance 1.8" Slim Lite SATA II SSD compatible with JEDEC Standard: MO-297A specification 	Power consumption	<ul style="list-style-type: none"> Power requirement +5V ± 10% Reading mode 230mA (Max.) Writing mode 270mA (Max.) Sleeping mode 160mA (Max.)
Flash technology	<ul style="list-style-type: none"> SLC-NAND type flash based 	Reliability	<ul style="list-style-type: none"> Wear-leveling Static wear-leveling algorithms MTBF > 3,000,000 hours ECC 8 bits or 15 bits per 512bytes block Endurance > 2,000,000 cycles Data retention 10 years
Host Interface	<ul style="list-style-type: none"> Standard SATA 7-pin (data) + 15-pin (power) 	Physical specification	<ul style="list-style-type: none"> Weight (max.) 15 g ± 2 g / 0.53 oz. Dimension(W x L x H) 54.00 x 40.10 x 5.45 (mm)
Performance	<ul style="list-style-type: none"> Data transfer rate Serial ATA Gen-I (1.5Gbits) and Gen-II (3.0Gbits) Sequential read 106.3MB/sec (Max.) Sequential write 100.4MB/sec (Max.) Random access time 0.2ms 	Conformal coating	<ul style="list-style-type: none"> Option for special request
Environmental specification	<ul style="list-style-type: none"> 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 	Warranty	<ul style="list-style-type: none"> Standard grade 3 years Industrial grade 5 years



2, rue Jean Mermoz - TREMBLAY EN FRANCE - 93290
 tél: +33 (0)1 48 61 95 28 - fax: +33 (0)1 48 61 94 03
 http://www.naelcom.com - APRO-Flash@naelcom.com



Advanced Performance & Rugged Orientation

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

Part number list - Industrial 1.8" Slim Lite SATA II SLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	4GB	SB8SJ004G-JACSC	WB8SJ004G-JAISI
	8GB	SB8SJ008G-JACSC	WB8SJ008G-JAISI
	16GB	SB8SJ016G-JACSC	WB8SJ016G-JAISI
	32GB	SB8SJ032G-JACSC	WB8SJ032G-JAISI

Part number decoder

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

Example

S B 8 S J 0 3 2 G — J A C S 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....

X2 The material of casing

B : Bare (without casing)

X13 Controller grade

C : Commercial grade

I : Industrial grade

X3 X4 X5 Product category

8SJ : 1.8" Slim Lite SATA II SSD

X14 Flash IC

S : Samsung SLC-NAND flash IC

X6 X7 X8 X9 Capacity

004G : 4GB 016G : 16GB

008G : 8GB 032G : 32GB

X15 Flash IC grade

C : Commercial grade

I : Industrial grade

X11 Controller

J : JMicon (HERMES Series)

C Reserved for specific requirement

C : Conformal-coating