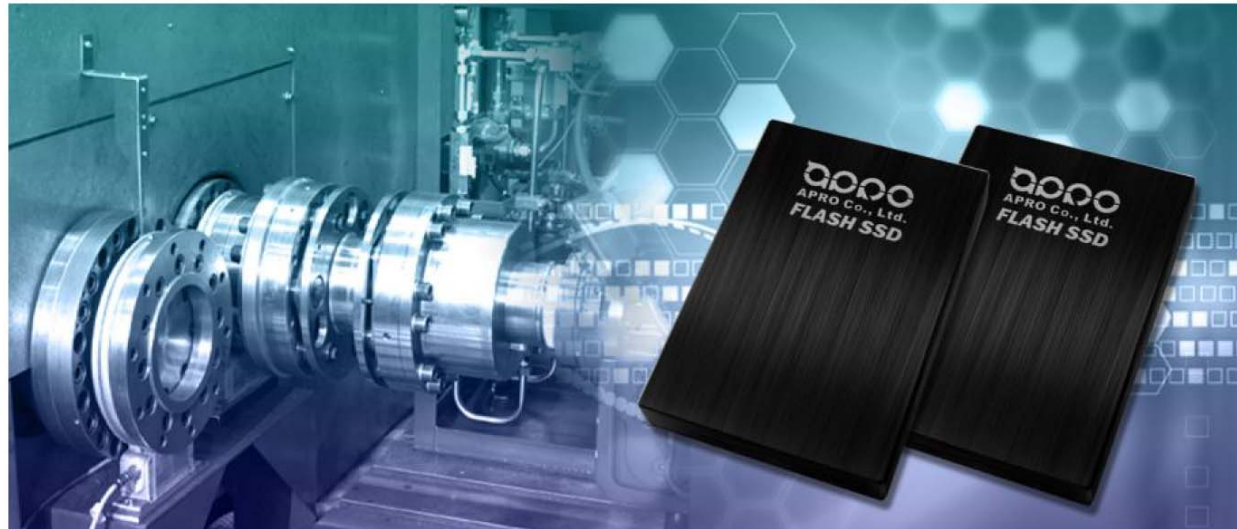


HERMIT Series

Industrial Rugged Metal 2.5" PATA (IDE) SLC SSD



Product features

- SLC - NAND type flash technology
- Compatible with ATA/ATAPI-6 standard
- 2.5" PATA (IDE) SSD form-factor
- Data transfer mode support PIO 0-4 and UDMA 0-4
- Extremely rugged metal casing to endure harsh environments
- Performance up to 40 MB/sec
- Master / Slave selectable
- Capacity from 128MB up to 16GB

Product specifications

Compatibility	ATAPI-6 and True IDE mode	Power consumption	
Flash technology	SLC-NAND type flash based	Power requirement	+5V ± 10%
Form-factor	Rugged Metal 2.5" PATA (IDE) SSD	Reading mode	124.0 mA (Max.)
Host Interface	Standard 44 pins PATA (IDE) male connector	Writing mode	121.0 mA (Max.)
Performance		Sleeping mode	1.8 mA (Max.)
Data transfer mode	PIO-4 mode or UDMA-4 mode (def.)	Reliability	
Data transfer rate	66.6 MB/sec (ATA-5 / UDMA-4)	Wear-leveling	Static wear-leveling algorithms
	16.6 MB/sec (ATA-3 / PIO-4)	MTBF	> 3,000,000 hours
Sequential read	40.0 MB/sec (Max. /with dual flash)	ECC	4 bits per 512 bytes block
Sequential write	20.0 MB/sec (Max. /with dual flash)	Endurance	> 2,000,000 cycles
Average access time	0.2 ms (estimated)	Physical specification	
Environmental specification		Weight (max.)	110 g / 3.88 oz.
Operating temp.	STD. 0°C ~ 70°C / IND. -40°C ~ +85°C	Dimension(W x L x H)	69.90 x 99.70 x 9.50 (mm)
Non-operating temp.	STD. -20°C ~ +80°C / IND. -50°C ~ +95°C	Conformal coating	Option for special request
Humidity	10% ~ 95% non-condensing	Warranty	
Vibration	15G compliance to MIL-STD-810F	Standard grade	3 years
Shock	1,500G compliance to MIL-STD-810F	Industrial grade	5 years
Altitude	70,000 feet		



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 2.5" rugged metal PATA (IDE) SLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	128MB	SR2IF128M-HACSC-U	WR2IF128M-HAISI-U
	256MB	SR2IF256M-HACSC-U	WR2IF256M-HAISI-U
	512MB	SR2IF512M-HACSC-U	WR2IF512M-HAISI-U
	1GB	SR2IF001G-HACSC-U	WR2IF001G-HAISI-U
	2GB	SR2IF002G-HACSC-U	WR2IF002G-HAISI-U
	4GB	SR2IF004G-HACSC-U	WR2IF004G-HAISI-U
	8GB	SR2IF008G-HACSC-U	WR2IF008G-HAISI-U
	16GB	SR2IF016G-HACSC-U	WR2IF016G-HAISI-U

Remarks: The optional data-transfer modes and disk types are:

P: optional as PIO-4 mode / Fixed disk type

U: defaulted as UDMA-4 mode / Fixed disk type

Part number decoder

X1 X2 X3 X4 X5 X6 X7 X8 X9 — X11 X12 X13 X14 X15 — Z1 / C

Example

S R 2 I F 5 1 2 M — H A C S C — U / C

X1 Grade

S : Standard grade operating temp. 0°C ~ 70°C
 W : Industrial grade operating temp. -40°C ~ +85°C

X2 The material of casing

R : Rugged metal casing

X3 X4 X5 Product category

2IF : 2.5" PATA (IDE) SSD

X6 X7 X8 X9 Capacity

128M : 128MB 001G : 1GB 008G : 8GB
 256M : 256MB 002G : 2GB 016G : 16GB
 512M : 512MB 004G : 4GB

X11 Controller

H : Hyperstone (HERMIT Series)

X12 Controller version

A,B,C,.....

X13 Controller grade

C : Commercial grade
 I : Industrial grade

X14 Flash IC

S : Samsung SLC-NAND flash IC

X15 Flash IC grade

C : Commercial grade
 I : Industrial grade

Z1 Data transfer rate and disk type

P : PIO-4 mode / fixed disk type

U : defaulted as UDMA-4 mode / fixed disk type

C Reserved for specific requirement

C : Conformal-coating