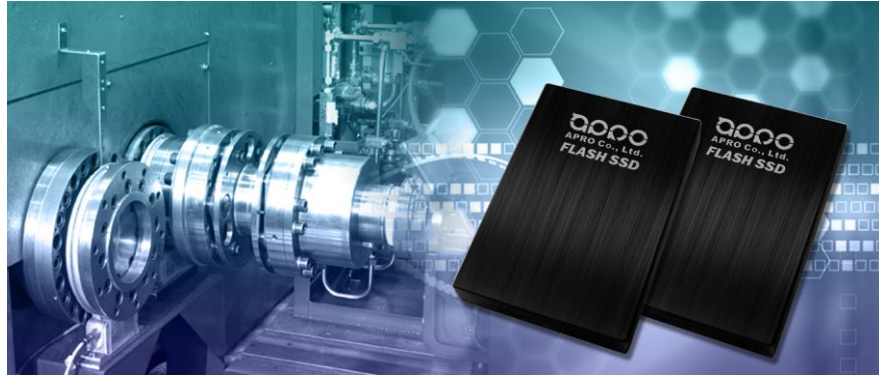


HERMIT Series

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	Power requirement	+5V ± 10%
Flash technology	SLC-NAND type flash based	Reliability	Reading mode	124.0 mA (Max.)
Form-factor	Rugged Metal 2.5" PATA (IDE) SSD		Writing mode	121.0 mA (Max.)
Host Interface	Standard 44 pins PATA (IDE) male connector		Sleeping mode	1.8 mA (Max.)
Performance			Endurance	> 2,000,000 cycles
Data transfer mode	PIO-4 mode or UDMA-4 mode (def.)		Physical specification	
Data transfer rate	66.6 MB/sec (ATA-5 / UDMA-4) 16.6 MB/sec (ATA-3 / PIO-4)		Weight (max.)	110 g / 3.88 oz.
Sequential read	40.0 MB/sec (Max. /with dual flash)		Dimension(W x L x H)	69.90 x 99.70 x 9.50 (mm)
Sequential write	20.0 MB/sec (Max. /with dual flash)		Conformal coating	Option for special request
Average access time	0.2 ms (estimated)		Warranty	
Environmental specification			Standard grade	3 years
Operating temp.	STD. 0°C ~ 70°C / IND. -40°C ~ +85°C		Industrial grade	5 years
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			

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 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