

HERMES Series

Rugged Metal 2.5" PATA (IDE) MLC SSD



Product features

- ❑ MLC - NAND type flash technology
- ❑ Compatible with ATA/ATAPI-7 standard
- ❑ 2.5" standard PATA (IDE) SSD form-factor
- ❑ Performance up to 107.8MB/sec
- ❑ Data transfer mode support PIO 0~4 and UDMA 0~6
- ❑ Capacity from 8GB up to 256GB

Product specifications

Compatibility	❑ ATA/ATAPI-7 and True IDE mode	Power consumption	
Flash technology	❑ MLC-NAND type flash based	Power requirement	❑ +5V ± 10%
Form-factor	❑ Rugged Metal 2.5" PATA (IDE) SSD	Reading mode	❑ 360mA (Max.)
Host Interface	❑ Standard 44-pin PATA (IDE) male connector	Writing mode	❑ 390mA (Max.)
Master/Slave setting	❑ By jumper	Sleeping mode	❑ 240mA (Max.)
Performance		Reliability	
Data transfer rate	❑ PIO-4 mode or UDMA-6 mode (def.)	Wear-leveling	❑ Static wear-leveling algorithms
Sequential read	❑ 107.8 MB/sec (Max.)	ECC	❑ Supports BCH ECC 8 bits or 15 bits in 512bytes
Sequential write	❑ 82.4 MB/sec (Max.)	Endurance	❑ Greater than 100,000 Program/Erase cycles
Average access time	❑ 0.2ms	Physical specification	
Environmental specification		Weight (max.)	❑ 115g ± 5g /4.06 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 wide temperature
Humidity	❑ 10% ~ 95% non-condensing	Warranty	❑ 1 year
Vibration	❑ 15G peak-to-peak max		
Shock	❑ 1,500G Max.		
Altitude	❑ 70,000 feet		
Acoustic noise	❑ 0 dB		

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

Part number list - 2.5" rugged metal PATA (IDE) MLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	8GB	SR2IF008G-JACMC-U	WR2IF008G-JACMC-U/C
	16GB	SR2IF016G-JACMC-U	WR2IF016G-JACMC-U/C
	32GB	SR2IF032G-JACMC-U	WR2IF032G-JACMC-U/C
	64GB	SR2IF064G-JACMC-U	WR2IF064G-JACMC-U/C
	128GB	SR2IF128G-JACMC-U	WR2IF128G-JACMC-U/C
	256GB	SR2IF256G-JACMC-U	WR2IF256G-JACMC-U/C

Remarks:

U: defaulted as UDMA mode / Fixed disk type

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

Part number decoder

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

S	R	2	I	F	1	2	8	G	—	J	A	C	M	C	—	U							
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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

R: Rugged metal casing

X14 ❑ Flash IC

M: MLC-NAND flash IC

X3 X4 X5 ❑ Product category

2IF: 2.5" PATA (IDE) SSD

X15 ❑ Flash IC grade

C: Commercial grade

X6 X7 X8 X9 ❑ Capacity

008G: 8GB **064G**: 64GB

016G: 16GB **128G**: 128GB

032G: 32GB **256G**: 256GB

X16 ❑ Data transfer rate and disk type

U: defaulted as UDMA mode / Fixed disk type

X11 ❑ Controller

J: JMicon (HERMES Series)

C ❑ Reserved for specific requirement

C: Conformal-coating