

HERMES Series

Rugged Metal 2.5" SATA II MLC SSD



Product features

- MLC - NAND type flash technology
- 2.5" SATA SSD form-factor
- SATA 1.0a and SATA 2.6 specification compliance
- SATA 7 pins (data) + 15 pins (power connector)
- Performance up to 167.8 MB/sec
- Capacity from 8GB up to 256GB
- Include USB 2.0 Mini-B type connector to be an external hard drive solution

Product specifications

Compatibility	<ul style="list-style-type: none"> SATA 1.0a and SATA 2.6 specification compliance 	Power consumption	<ul style="list-style-type: none"> Power requirement +5V ± 10% Reading mode 450 mA (Max.) Writing mode 500 mA (Max.) Idle mode 320 mA (Max.)
Flash technology	<ul style="list-style-type: none"> MLC-NAND type flash based 	Reliability	<ul style="list-style-type: none"> Wear-leveling Static wear-leveling algorithms ECC 8 bits or 15 bits per 512 bytes block
Form-factor	<ul style="list-style-type: none"> Rugged metal 2.5" SATA SSD 	Physical specification	<ul style="list-style-type: none"> Weight (max.) 115g ± 5g /4.06 oz. Dimension(W x L x H) 69.90 x 99.70 x 9.50 (mm)
Host Interface	<ul style="list-style-type: none"> Standard SATA 7 pins (data) + 15 pins (power) Include USB 2.0 Mini-B type connector to be an external hard drive solution 	Conformal coating	<ul style="list-style-type: none"> Option for wide temperature
Performance	<ul style="list-style-type: none"> Data transfer rate Serial ATA Gen-I and Gen-II (1.5 Gb/s and 3.0 Gb/s) Sequential read 167.8 MB/sec (Max.) Sequential write 92.1 MB/sec (Max.) Random access time 0.2 ms 	Warranty	<ul style="list-style-type: none"> 1 year
Environmental specification	<ul style="list-style-type: none"> Operating temp. STD. 0°C ~ 70°C / WID. -40°C ~ +85°C Non-operating temp. STD. -20°C ~ +80°C / WID. -50°C ~ +95°C Humidity 10% ~ 95% non-condensing Vibration 15 G compliance to MIL-STD-810F Shock 1,500 G compliance to MIL-STD-810F Altitude 70,000 feet 		

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

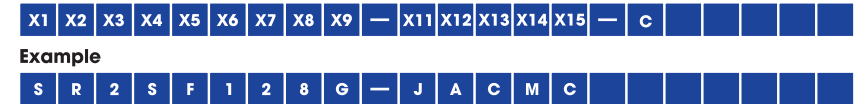
Part number list - 2.5" rugged metal SATA II MLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	8GB	SR2SF008G-JACMC	WR2SF008G-JACMC-C
	16GB	SR2SF016G-JACMC	WR2SF016G-JACMC-C
	32GB	SR2SF032G-JACMC	WR2SF032G-JACMC-C
	64GB	SR2SF064G-JACMC	WR2SF064G-JACMC-C
	128GB	SR2SF128G-JACMC	WR2SF128G-JACMC-C
	256GB	SR2SF256G-JACMC	WR2SF256G-JACMC-C

Remarks:

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

Part number decoder



Example



X1 Grade

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

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

X12 Controller version

A, B, C,

X13 Controller grade

C : Commercial grade

X14 Flash IC

M : MLC-NAND flash IC

X15 Flash IC grade

C : Commercial grade

C Reserved for specific requirement

C : Conformal-coating

X2 The material of casing

R : Rugged metal casing

X3 X4 X5 Product category

2SF : 2.5" SATA II SSD

X6 X7 X8 X9 Capacity

008G : 8GB 064G : 64GB

016G : 16GB 128G : 128GB

032G : 32GB 256G : 256GB

X11 Controller

J : JMicron (HERMES Series)

CF Industrial CompactFlash Card

CFast Industrial CFast Card

ATA Industrial PCMCIA ATA Card

MIF Industrial micro IDE Flash Module

MSF Industrial micro SATA Flash Module

MUM Industrial micro USB Flash Module

MPM Industrial mini PCIe Flash Module

MSM Industrial mini SATA Flash Module

SSD Industrial Solid State Disk

UED Industrial Rugged Metal USB Flash Disk

SD Industrial SD & SDHC Memory Card

AD Industrial Adapter Card-Drive

CF Industrial CompactFlash Card

CFast Industrial CFast Card

ATA Industrial PCMCIA ATA Card

MIF Industrial micro IDE Flash Module

MSF Industrial micro SATA Flash Module

MUM Industrial micro USB Flash Module

MPM Industrial mini PCIe Flash Module

MSM Industrial mini SATA Flash Module

SSD Industrial Solid State Disk

UED Industrial Rugged Metal USB Flash Disk

SD Industrial SD & SDHC Memory Card

AD Industrial Adapter Card-Drive