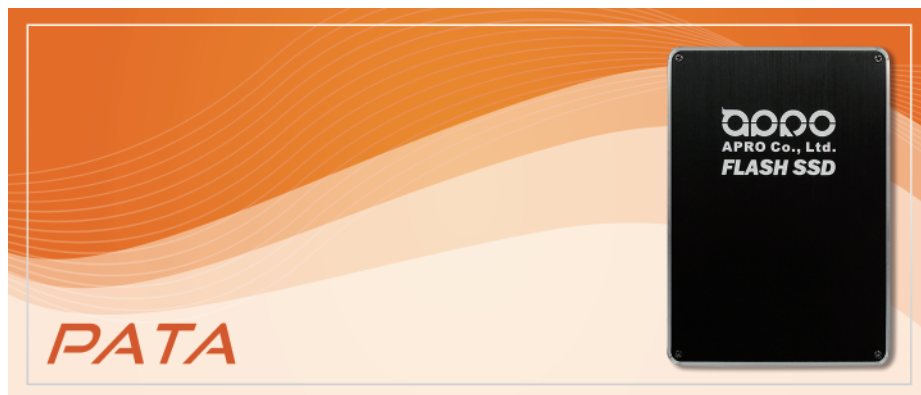


HERMIT-F Series

Industrial SLC 2.5" Rugged Metal PATA SSD



Product Feature

- SLC - NAND type flash technology
- Extremely rugged metal casing to endure harsh environments
- S.M.A.R.T. supported
- RoHS & REACH compliant
- Capacity from 128MB up to 64GB

Product Specification

Compatibility

- ▶ ATA/ATAPI-7 and True IDE mode

Flash technology

- ▶ SLC-NAND type flash memory

Form-factor

- ▶ Rugged Metal 2.5" PATA (IDE) SSD

Host Interface

- ▶ Standard 44-pin PATA (IDE)
Male connector

Master/Slave

- ▶ By jumper

Data transfer rate

- ▶ PIO 3 ~ 6 Mode
- ▶ MWDMA 0 ~ 4 Mode
- ▶ UDMA 0 ~ 6 Mode

Performance

- Sequential read ▶ 57.9 MB/sec
- Sequential write ▶ 61.7 MB/sec
- 4KB random read ▶ 9.6 MB/sec
- 4KB random write ▶ 8.6 MB/sec

Environmental specification

- 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 ▶ 7 Hz to 2K Hz, 20G, 3 axes
- Shock ▶ 0.5ms, 1500 G, 3 axes
- Altitude ▶ 70,000 feet

Power consumption

- Power requirement ▶ +5V ± 10%
- Reading mode ▶ 113.3 mA (Max.)
- Writing mode ▶ 86.6 mA(Max.)
- Idle mode ▶ 10.4 mA (Max.)

Reliability

- Wear-leveling ▶ Global wear-leveling algorithms
- MTBF ▶ > 3,000,000 hours
- Erase counts ▶ Up to 60,000 times
- ECC ▶ 96 bits per 1024 bytes block

Physical specification

- Weight ▶ 70 g ± 2 g / 2.47 oz.
- Dimension(W x L x H) ▶ 70.10 x 100.00 x 8.80 (mm)

Conformal coating

- ▶ Optional

Warranty

- STD Grade SLC ▶ 3 years or within 60K Erasing counts
- IND Grade SLC ▶ 5 years or within 60K Erasing counts

Part Number List

Product Picture	Capacity	0°C ~ 70°C	- 40°C ~ + 85°C
	128MB	SR2IF128M-HFCTC-U	WR2IF128M-HFIT-U
	256MB	SR2IF256M-HFCTC-U	WR2IF256M-HFIT-U
	512MB	SR2IF512M-HFCTC-U	WR2IF512M-HFIT-U
	1GB	SR2IF001G-HFCTC-U	WR2IF001G-HFIT-U
	2GB	SR2IF002G-HFCTC-U	WR2IF002G-HFIT-U
	4GB	SR2IF004G-HFCTC-U	WR2IF004G-HFIT-U
	8GB	SR2IF008G-HFCTC-U	WR2IF008G-HFIT-U
	16GB	SR2IF016G-HFCTC-U	WR2IF016G-HFIT-U
	32GB	SR2IF032G-HFCTC-U	WR2IF032G-HFIT-U
	64GB	SR2IF064G-HFCTC-U	WR2IF064G-HFIT-U

Part Number Decoder

X1 X2 X3 X4 X5 X6 X7 X8 X9 — X11 X12 X13 X14 X15 — X17 X18 X19 X20

Example ▶

W R 2 I F 0 6 4 G — H F I T I — U

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

21F : 2.5" height 9.5 mm PATA (IDE) SSD

X6 X7 X8 X9 Capacity

128M : 128MB 004G : 4GB

256M : 256MB 008G : 8GB

512M : 512MB 016G : 16GB

001G : 1GB 032G : 32GB

002G : 2GB 064G : 64GB

X11 Controller

H : HERMIT Series

X12 Controller version

A, B, C, D.....

X13 Controller grade

C : Commercial grade

I : Industrial grade

X14 Flash IC brand

T : Toshiba SLC-NAND flash IC

X15 Flash IC grade

C : Commercial grade

I : Industrial grade

X17 Data transfer rate and disk type

U : Defaulted as UDMA-6 mode / Fixed disk type

P : PIO 3-6 mode / Fixed disk type

A : Auto detected data transfer mode / Fixed disk type

X18 X19 X20 Reserved for specific requirement

C : Conformal coating (optional)