

HERMIT-C Series

MLC USB 2.0 Flash Disk Generation 3L




Product Feature

- MLC - NAND type flash technology
- Semi-metal casing design
- Ultra high random read / write speed
- S.M.A.R.T. supported
- RoHS & REACH compliant
- Capacities from 4GB up to 128GB

Product Specification

<p>Compatibility</p> <ul style="list-style-type: none"> ■ USB 2.0 and USB 1.1 backwards Compatible <p>Flash technology</p> <ul style="list-style-type: none"> ■ MLC-NAND type flash memory <p>Performance</p> <p>Random read ■ 4.9 MB/sec (max.)</p> <p>Random write ■ 3.7 MB/sec (max.)</p> <p>Sequential read ■ 25.0 MB/sec (max.)</p> <p>Sequential write ■ 19.0 MB/sec (max.)</p> <p>Environmental specification</p> <p>Operating temp. ■ STD. 0°C~70°C/W.T. -40°C~+85°C</p> <p>Non-operating temp. ■ STD. -20°C~+80°C/W.T. -50°C~+95°C</p> <p>Humidity ■ 10% - 95% non-condensing</p> <p>Vibration ■ 7 Hz to 2K Hz, 20G, 3 axes</p> <p>Shock ■ 0.5ms, 1500G, 3 axes</p> <p>Altitude ■ 70,000 feet</p>	<p>OS supported</p> <ul style="list-style-type: none"> ▶ Windows series Embedded O.S. Linux, VxWorks and DOS <p>Power consumption</p> <p>Power requirement ▶ 5V±10% via USB port</p> <p>Reading mode ▶ 75.5 mA(Max.)</p> <p>Writing mode ▶ 92.6 mA(Max.)</p> <p>Idle mode ▶ 37.9 mA(Max.)</p> <p>Reliability</p> <p>Wear-leveling ▶ Static wearLeveling algorithms</p> <p>ECC ▶ 96 Bit/1KB BCH ECC engine</p> <p>Physical specification</p> <p>Weight ▶ 15 g ± 1g / 0.53 oz.</p> <p>Dimension(W x L x H) ▶ 60.0 x 17.6 x 8.4 (mm).</p> <p>Warranty</p> <p>MLC(standard/wide temp.) ▶ 2 years or within 3k Erasing counts</p>
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Part Number List

Product Picture	Capacity	0°C ~ 70°C	- 40°C ~ + 85°C
	4GB	SMUFD004G-HCCTMB-3L	WMUFD004G-HCCTMB-3LC
	8GB	SMUFD008G-HCCTMB-3L	WMUFD008G-HCCTMB-3LC
	16GB	SMUFD016G-HCCTMB-3L	WMUFD016G-HCCTMB-3LC
	32GB	SMUFD032G-HCCTMB-3L	WMUFD032G-HCCTMB-3LC
	64GB	SMUFD064G-HCCTMB-3L	WMUFD064G-HCCTMB-3LC
	128GB	SMUFD128G-HCCTMB-3L	WMUFD128G-HCCTMB-3LC

Part Number Decoder

X1 X2 X3 X4 X5 X6 X7 X8 X9 — X11 X12 X13 X14 X15 X16 — X18 X19 X20

Example ▶

W M U F D 1 2 8 G — H C C T M B — 3 L C

X1 Grade

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

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

X2 The material of casing

M : Semi-metal casing

X3 X4 X5 Product category

UFD : USB flash disk

X6 X7 X8 X9 Capacity

004G : 4GB **032G** : 32GB

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

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

X11 Controller

H : HERMIT Series

X12 Controller version

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

X13 Controller grade

C : Commercial grade

X14 Flash IC brand

T : Toshiba flash IC

X15 Flash IC type

M : MLC - NAND Flash IC

X16 MLC Technology

B : Toshiba 15nm MLC

X18 X19 Housing Generation

3L : Generation 3 housing long type

X20 Conformal coating

C : Conformal coating for wide temp.grade