

HERMES Series

Industrial GDK-2010 High Capacity USB Flash Disk Rugged Metal Casing



Product features

- ✦ SLC - NAND type flash technology
- ✦ Bulky size USB flash disk
- ✦ USB 2.0 Mass Storage compliant
- ✦ Complies with Microsoft Vista Ready-Boost® requirements
- ✦ USB2.0 High-Speed and USB1.1 FullSpeed compatible interface
- ✦ Fixed disk type; optional for removable disk type
- ✦ Capacities available from 16GB, 32GB and 64GB
- ✦ Performance up to 30.0 MB/sec (max.)

Product specifications

Compatibility	✦ USB2.0 High-Speed and USB1.1 FullSpeed compatible interface	Functionality	✦ Optional for a removable disk type Default setting is a Fixed Disk
Flash technology	✦ SLC-NAND type flash based		✦ A bootable disk for system recovery
Form-factor	✦ Bulky size USB in rugged metal alloy		✦ Microsoft Vista Ready-Boost® Requirements
Performance		Power consumption	
Data transfer rate	✦ USB 2.0 supports transfer rates up to 480 Mb/s (60MB/s)	Power requirement	✦ 5V ± 10% via USB port
Sequential read	✦ 30.0 MB/sec (Max.)	Reading mode	✦ 155 mA (Max.)
Sequential write	✦ 30.0 MB/sec (Max.)	Writing mode	✦ 175 mA(Max.)
Random access time	✦ 0.4ms (estimated)	Idle mode	✦ 90 mA (Max.)
Environmental specification		Reliability	
Operating temp.	✦ STD. 0°C~70°C/IND. -40°C~+85°C	Wear-leveling	✦ Static wear-leveling algorithms
Non-operating temp.	✦ STD. -20°C~+80°C/IND. -50°C~+95°C	MTBF	✦ > 3,000,000 hours
Humidity	✦ 10% ~ 95% non-condensing	Endurance	✦ > 2,000,000 cycles
Vibration	✦ 15G compliance to MIL-STD-810F	ECC	✦ 8 bits or 15 bits per 512 bytes block
Shock	✦ 1,500G compliance to MIL-STD-810F	Data retention	✦ 10 Years
Altitude	✦ 70,000 feet	Physical specification	
OS supported	✦ Win Vista, CE, XP Pro, XP Embedded, Server 2003, Linux, Mac9.x, Mac OS X	Weight	✦ 40 g ± 3 g / 1.40 oz.
	Win98SE need driver	Dimension(W x L x H)	✦ 32.00 x 89.30 x 11.30 (mm)
		Conformal coating	✦ Option for special request
		Warranty	
		Standard grade	✦ 3 years
		Industrial grade	✦ 5 years

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

Part number list - Industrial Rugged metal GDK-2010 High Capacity USB 2.0 flash disk

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	16GB	GDKUF016G-JCCSC-F(/C)	GDKUF016G-JCISH-F(/C)
	32GB	GDKUF032G-JCCSC-F(/C)	GDKUF032G-JCISH-F(/C)
	64GB	GDKUF064G-JCCSC-F(/C)	GDKUF064G-JCISH-F(/C)

Remarks:

F: defaulted as Fixed disk type

R: optional as Removable USB flash disk

Part number decoder

X1 X2 X3 X4 X5 X6 X7 X8 X9 — X11 X12 X13 X14 X15 — Z1 / C

Example

G D K U F 1 2 8 G — J C C S C — F / C

X1 X2 X3 ✦ **Grade**

GDK : Bulky size casing

X12 ✦ **Controller version**

A,B,C.....

X4 X5 ✦ **Product category**

UF : USB 2.0 Flash Disk

X13 ✦ **Controller grade**

C : Commercial grade

I : Industrial grade

X6 X7 X8 X9 ✦ **Capacity**

016G : 16GB

032G : 32GB

064G : 64GB

X14 ✦ **Flash IC**

S : Samsung SLC-NAND flash IC

X15 ✦ **Flash IC grade**

C : Commercial grade

I : Industrial grade

Z1 ✦ **Disk Type**

F: defaulted as Fixed disk type

R: optional as Removable USB flash disk

C ✦ **Reserved for specific requirement**

C : Conformal-coating

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 PCI-e Flash Module

MSM Industrial mini SATA Flash Module

SSD Industrial Solid State Disk

UFD 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 PCI-e Flash Module

MSM Industrial mini SATA Flash Module

SSD Industrial Solid State Disk

UFD Industrial Rugged Metal USB Flash Disk

SD Industrial SD & SDHC Memory Card

AD Industrial Adapter Card-Drive