USB 3.0 Industrial Grade
High Performance

California PC FLASH

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The California PC FLASH USB 3.0 High Performance USB 3.0 Flash Drives combine advanced Flash controller technology and **Industrial NAND SLC flash memory.** The California PC FLASH Industrial USB 3.0 Flash Drives are available in **Industrial Temperature Grade (-40ºC ~+85ºC)** and **Commercial Temperature Grade (0ºC ~+70ºC)** (to operate in different applications under normal or harsh operating environments. Solid-State USB 3.0 drives are more durable than conventional hard disk drives and consume around 5% of the power required by small disk drives. USB flash drives are used for Data Collection, GPS units, Measuring and Test Equipment, Laptops, Monitoring Equipment, Data Storage Devices, Kiosks, and many other applications.

- USB 3.0
- 128MB to 32GB
- Backwards compatible with USB 2.0 and 1.1
- SLC NAND Flash
- Industrial Temperature –40C to +85C
- Bad Block Management
- SMART
- ECC
- Wear Leveling
- Low Power Management
- RoHS, CE, & FCC compliant
- Read: Up to 170 MB/s
- Write : Up to 120 MB/s
- Very low power consumption
- Built for extreme environments
- USB Transfer Rates: 5Gbit/sec for USB 3.0, 480Mbits/sec for USB 2.0, 12Mbits/sec for USB 1.1
- Capacity (SLC): 128MB, 256MB, 512MB, 1GB, 2GB, 4GB, 8GB, 16GB, and 32GB
- RoHS, CE & FCC compliant
- 3 Year Warranty

216 Avenida Fabricante, Ste 108
San Clemente, CA 92672 USA

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For more product info, pricing and ordering visit:
www.CaliforniaPC.com

California Peripherals & Components, Inc.
www.CaliforniaPC.com

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Data Transfer Rate To/From Flash		Various by transfer mode
Read	SLC	Up to 170 MB/s
Write	SLC	Up to 120 MB/s

Environmental Specifications

Industrial Temperature	Operating & Storage	-40°C + 85°C
Vibration	Operating	20G (80Hz to 2000Hz)
Humidity	Operating Max Non-operating Max	5 ~ 95% non-condensing 5 ~ 95% non-condensing
Shock	Operating	1500G
Altitude	Operating Non-operating	70,0000 Feet Maximum *(Estimated)*

Power Consumption

DC 4.5V to 5.5V from USB Port	Standby Mode	2.5 mA
	Read Mode	170 mA
	Write Mode	160 mA

Reliability

Wear-leveling Algorithms	Supported
ECC Technology	BCH ECC Algorithm
Data Retention	10 years
Warranty	3 Years

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Physical Specifications

Length	57.4 mm (w/cap)
Width	17 mm
Thickness	8 mm

Part Numbers

Industrial Temperature (-40°C to +85ºC) USB 3.0 / Removable is default			
128MB	F3USBMI-128MB-3172	4GB	F3USBMI-04GB-3172
256MB	F3USBMI-256MB-3172	8GB	F3USBMI-08GB-3172
512MB	F3USBMI-512MB-3172	16GB	F3USBMI-16GB-3172
1GB	F3USBMI-01GB-3172	32GB	F3USBMI-32GB-3172
2GB	F3USBMI-02GB-3172		

Also available in MLC and pseudo-SLC versions in Commercial or Industrial Temperature. Please inquire if you need pricing for these optional builds. Quantity and dealer pricing available.

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