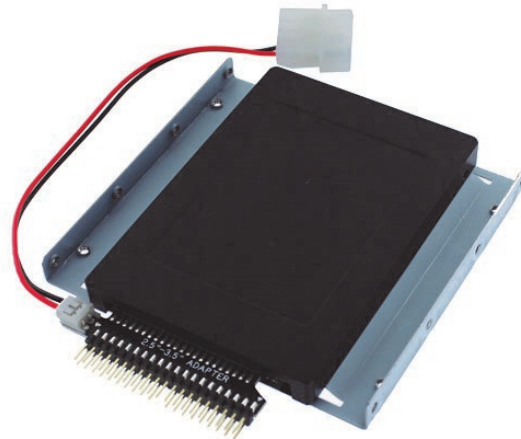


3.5" IDE Flash Disk Drive Kit Industrial Grade Temperature Rated – 40 Pin IDE

The California PC FLASH 3.5" Flash Disk IDE Drive Kit replaces our popular 3.5" IDE Flash Disk Drive by combining our Industrial Grade 2.5" IDE Flash Disk and 2.5 inch to 3.5 inch IDE adapter/bracket. The 3.5" IDE Drive Kit mounts just like a regular 3.5 inch IDE hard drive and connects with a 40 pin interface and standard power plug to your system. The 3.5" Flash Disk IDE kit combines 3S advanced Flash controller technology and NAND Type SLC flash memory. The California PC FLASH 3.5" Flash Disk Drive Kits are rated to an **INDUSTRIAL TEMPERATURE of (-40°C ~+85°C)** for use in applications in normal to harsh operating environments. With the great advantages of non-volatile and solid state, the 3.5" Flash Disk IDE Drive Kits are ideal replacements of conventional hard disk drives. The industry standard ATA/IDE interface simplifies the integration of the flash disk drive into almost any computing platform. No system modifications are required to place an IDE Flash Disk Drive in



California PC FLASH
3.5" IDE Flash Disk
Drive KIT

Industrial Grade

- ATAPI-5 Industry Standard Compliant
- Very low power consumption
- High performance and Industrial Temp **-40°C ~+85°C**
- Designed for Harsh Environments
- Automatic error correction and retry capabilities
- Auto Stand-by / Sleep Mode supported
- +5 V \pm 10 operation
- Wear-Leveling algorithm for endurance
- Noiseless
- Standard IDE compatible 40 pin connector
- Master / Slave Selectable
- MTBF > 1,000,000 hours
- Error Code Correction 4 bits
- Support O/S: Windows 31/95/98/Me, Windows NT/2000/XP/2003/7, WinCE, QNX, Linux, DOS
- PIO 4 Disk Mode by Default, Ultra DMA Mode 4 can be specified
- SLC NAND Type Flash Memory Base

216 Avenida Fabricante, Ste 108
San Clemente, CA 92672

Phone: (949) 487-1213
Fax: (949) 487-1866

E-mail: sales@CaliforniaPC.com

For more product info visit:
www.CaliforniaPC.com

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



California PC FLASH
3.5" IDE Flash Disk
Drive KIT

Industrial Grade

Environmental Specifications

Temperature	Operating: Non-Operating	-40°C ~ +85°C -50°C ~ +95°C
Humidity	Operating & Non- operating:	5% ~ 95% non-condensing
Vibration	Operating & Non- operating	20G peak-to-peak maximum for embedded 2.5" Flash Disk Drive
Shock	Operating & Non- operating	1500 G maximum for embedded 2.5" Flash Disk Drive

Power Requirements

Power Voltage	5V ± 10%	
+5V Current (Maximum aver- age value)	Sleep Mode:	2mA (Typ.)
	Read Mode:	85mA (Typ.)
	Write Mode:	90mA (Typ.)

Performance

Data Transfer Mode	PIO Mode 4 (default) or UDMA Mode 4	
Maximum Perform- ance	Sequential Read	29Mbytes / sec Max.
	Sequential Write	19Mbytes / sec Max.
Average Access Time	1ms (estimated)	

Reliability

MTBF	> 1,000,000 hours
Data Reliability	< 1 non-recoverable error in 10 ¹⁴ bits read < 1 erroneous correction in 10 ²⁰ bits read
Wear-leveling Algorithms	Supportive
ECC Technology	4 bits Error Correction Code
Endurance	Greater than 1,000,000 cycles Logically contributed by Wear-leveling and advanced bad sector management
Data Retention	10 years
Warranty	3 Years

Part Numbers

128MB	FDK35I-128MB-KIT	4GB	FDK35I-4096MB-KIT
256MB	FDK35I-256MB-KIT	8GB	FDK35I-8192MB-KIT
512MB	FDK35I-512MB-KIT	16GB	FDK35I-16348MB-KIT
1GB	FDK35I-1024MB-KIT	32GB	FDK35I-32GB-KIT
2GB	FDK35I-2048MB-KIT		

216 Avenida Fabricante, Ste 108
San Clemente, CA 92672

Phone: (949) 487-1213
Fax: (949) 487-1866

E-mail: sales@CaliforniaPC.com

For more product info visit:
www.CaliforniaPC.com

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

