

Envoy Data Linear Flash Card

Re-Programmable Solid State Storage



Features

- Non-Volatile Memory
- Capacities from 2 to 64MB
- High Write Endurance 100,000 Write/Erase
- Linear NOR-based Flash Memory
- Backward Compatible with Lower Density Flash
- Sonically welded PC Card housing
- PC Card 2.1
- Easy to Upgrade Memory and Add Applications

Product Key

- Part #: FE_{xx}M
FE_{xx}M-AMD

xx = capacity
AMD = AMD series

Ex. FE02M = 2MB Linear Flash Card
FE02M-AMD = 2MB Linear Flash Card AMD Series

The Envoy Data Series of Linear Flash cards offer a re-programmable memory device capable of storing large amounts of data. Each Flash card contains multiple memory and logical devices. The cards assure data retention even when power is removed with the need for battery back up of any kind. Five volt only programming simplifies the host design process and makes these cards especially desirable for custom applications such as PDA's, handheld devices and network removable storage.

Available with AMD Series D or Intel Series II flash, the flash card circuitry is housed in a credit card size 68 pin package. Internal circuitry is protected by stainless steel plates on the top and bottom of card to help protect it from electro-static discharge. Envoy Data memory cards offer the unique ability to be organized in either 8 or 16 bit bus configurations.

Envoy Data Corporation also offers a full line of Flash PC Cards and PC Card drives.

Specifications

Type I and II	2MB to 64MB
Read Access Time	150 to 250ns
Standby Current	< 100µA typical
Operating Temperature	
Commercial	0°C to +70°C
Industrial	-40°C to +85°C
Electrical	
VCC	5.0 volts ± 10%
ICC	30ma Average
Input Voltage High	2.4v to VCC +0.3v maximum
Input Voltage Low	-0.3v to +0.8v maximum
Low power CMOS technology provides very low power and reliable data retention characteristics	
High endurance	Up to 1 million erase cycles

