

Envoy Data SRAM Card

Rechargeable Solid State Storage



Features

- SRAM Fast read/write
- High write endurance
- Integrated long life rechargeable battery
- Low power design
- Write protect switch
- Available Attribute Memory
- Rugged Type I Case

Product Key

- Part #: SE_{xx}M
SE_{ixx}M

xx = capacity
i = industrial

Ex. SE02M = 2MB SRAM Card
SEi02M = 2MB Industrial
SRAM Card

The SE_{xx}M series of rechargeable SRAM PC Cards are capable of storing and retrieving large amounts of data with high speed and endurance. All cards are low power design and feature a write protect switch for data protection. Each card has a built in rechargeable lithium battery to insure data integrity so there is no need to replace batteries. When the card is in a PC Card drive slot the system supplies the power. The integrated battery supplies the power when the card is not in a PC Card slot.

Each SRAM card is housed in a stainless steel credit card size 68 pin package. This package meets all the specifications of the PCMCIA V2.1 standard for Type I cards. The 68 pin socket is rated for 10,000 insertions. A type I card weighs only 1.5 oz and is 3.3mm thick but is rugged enough for most industrial applications. The available capacities are 256KB, 512KB, 1MB, 2MB, 4MB, 6MB, and 8MB. Attribute memory is available as an option.

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

Specifications

Type I	256KB to 8GB
Data Retention	@ 20C: Six months minimum
Data Access Rate	150ns
Operating Temperature	
Commercial	0°C to +70°C
Industrial	-40°C to +85°C
Electrical	
VCC	5.0 volts ± 5%
ICC	20ma Average
Input Voltage High	2.2v to VCC +0.3v max
Input Voltage Low	-0.3v to +0.8v maximum
Output Voltage High	+2.4v minimum
Output Voltage Low	+0.4v maximum
Power Consumptions	
Average	20ma maximum
Standby	100ua maximum
PCMCIA Interface	8 or 16 bit
Endurance	Unlimited write cycles
Standby current	< 100µA typical
Operating Current	190mA maximum for x16 operation 150ns

