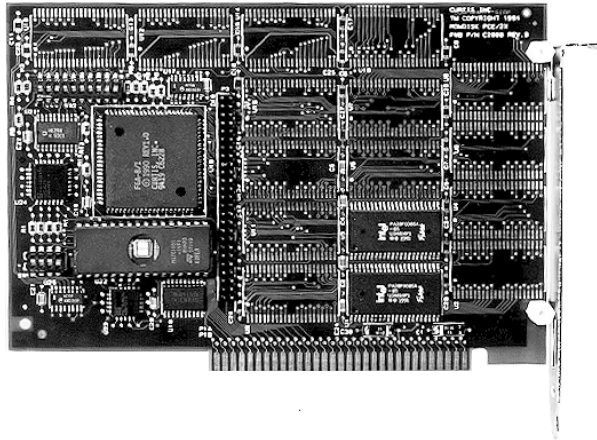
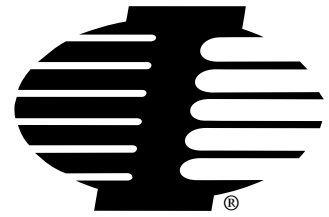


# Model PCE/2X

## Solid State Disk Emulator



### FEATURES

- *Solid State Disk Drive*
- *FLASH and SRAM Capabilities*
- *Up to 16MB FLASH + 2.0MB SRAM*
- *Operating to +70°C*

### DESCRIPTION

The PCE/2X solid state disk emulator uses nonvolatile FLASH and SRAM memory devices. The ISA bus interface provides compatibility with XT through Pentium AT class machines. The lack of rotating media devices permits systems to be used in hostile environments where normal disk drives would be rendered useless. The access time for FLASH and SRAM devices are also significantly faster than standard rotating magnetic media.

The PCE/2X permits the use of FLASH or FLASH and SRAM combination for maximum flexibility. For applications not requiring continuous writing and erasing of data files, FLASH memory provides an efficient nonvolatile storage media. For applications with frequent to continuous data storage write/erase requirements, the SRAM daughter board may be added for up to 2.0MB of battery backed non-volatility with fast write/read times. The daughter board functions as a second, independent disk drive on the FLASH board.

## SPECIFICATIONS

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### ROM Address

C8000-CDFFF, D0000-D5FFF

### I/O Address

2B0-2BF

### Disk Emulation

Hard or Floppy (to 4.0MB)

### Write Protection

Switch Enabled

### FLASH Cycles

100,000 Write Minimum per bit Unlimited Read

### FLASH Transfer

80KB/S Write

### Rate

750KB/S Read

### FLASH Latency

0.2mS

### SRAM Transfer Rate

2MB/S Read/Write

### SRAM Latency

0.1mS

### Power Required

	Read	Write	Idle
+5VDC	85mA	125mA	55mA
+12VDC	N/A	30mA	N/A

### Operating Temperature

0 to +70°C

### Operating Humidity

5 to 95%, RHNC

### Storage Temperature

-20 to +85°C

### Operating Humidity

5 to 95%, RHNC

### Dimensions (L x H)

6.5" x 4.2"  
(165.1 x 106.7mm)

## ORDERING GUIDE

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### Model PCE/2X-1M

1MB FLASH Disk Emulator

### Model PCE/2X-2M

2MB FLASH Disk Emulator

### Model PCE/2X-4M

4MB FLASH Disk Emulator

### Model PCE/2X-8M

8MB FLASH Disk Emulator

### Model PCE/2X-12M

12MB FLASH Disk Emulator

### Model PCE/2X-16M

16MB FLASH Disk Emulator

### Model PCE2-SRDB-180

180K SRAM Daughter Board Disk Emulator

### Model PCE2-SRDB-360

360K SRAM Daughter Board Disk Emulator

### Model PCE2-SRDB-720

720K SRAM Daughter Board Disk Emulator

### Model PCE2-SRDB-1.2

1.44M SRAM Daughter Board Disk Emulator

### Model PCE2-SRDB-2.0

2.0M SRAM Daughter Board Disk Emulator

