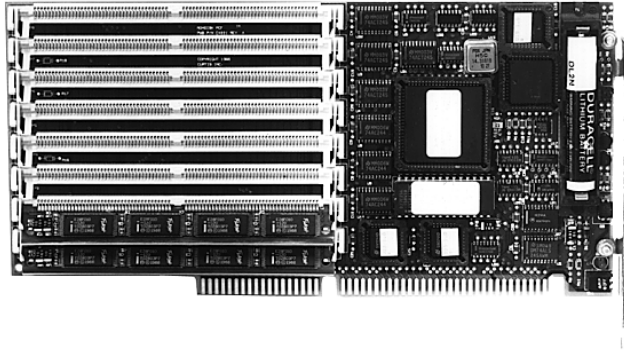


# Model PCF1A-0MSR



## FLASH/SRAM Disk Emulator



### FEATURES

- *High Capacity up to 14MB*
- *Single or Dual Disk Modes*
- *Autobooting Operation*
- *MS-DOS 6.0 Compatible*

### DESCRIPTION

The PCF1A can emulate a single high capacity data disk or both a single high capacity disk and a floppy diskette to provide autobooting from a diskette image, in addition to providing high capacity data storage. The PCF1A can use either SRAM or FLASH memory technology SIMMs. With FLASH memory SIMMs and the Microsoft Flash File System (FFS), the PCF1A operates as a WORM (Write Once Read Many times) FLASH disk emulator. With battery backed SRAM SIMMs and the SRAM load-able device driver, the PCF1A operates as a read/write SRAM disk emulator.

SIMM modules provide up to 14MB of data storage by using up to seven 1MB or seven 2MB FLASH memory SIMMs or up to 7MB using 1MB SRAM SIMMs. A proprietary FLASH gate array and micro-controller core architecture provides high speed read, programming and FLASH erasure. Intelligent architecture allows command processing independent of computer system's CPU. The PCF1A boot SIMM can be erased and reprogrammed from an image file on a diskette to simplify the reprogramming operation.

## SPECIFICATIONS CONT.

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### Memory Type

FLASH EPROM or Battery Backed SRAM or Combination

### Memory Capacity

14MB FLASH  
7MB SRAM

### Operating Modes

Single Drive  
Dual Drive  
Flash "Floppy" Drive  
SRAM "Fixed Disk Drive"  
Autobooting  
Non-Booting (File Mode)

### I/O Port Address-16Bytes

2B0, 2C0 (Autoboot Ports)  
2D0, 2E0 (Non-Boot Ports)

### BIOS ROM Addressing

CA00, CC00 (Auto-Boot Addresses)  
CE00, D000 (Non-Boot Addresses)

## CONFIGURATION GUIDE FLASH MEMORY ONLY

### PCF1A-0MFE

Add up to 7 1MB or 7 2MB FLASH SIMMs  
First 1MB SIMM or first MB of First 2MB SIMM Becomes Boot "Floppy"

### SRAM ONLY

### PCF1A-0MSR

Add up to 7 1MB SRAM SIMMs  
In Autoboot HD Mode, Operates as a single "Hard Disk" in System  
In Autoboot FD Mode, Operates as boot "floppy" on first SIMM. Remainder of SIMMs Supported with Virtual Disk Loadable Device Driver

### FLASH/SRAM COMBINATION

### PCF1A-0MFS

First SIMM Can Be Boot "Floppy". Use 1MB SIMM, FLASH or SRAM, in First SIMM Socket. Add up to 6 Additional 1MB or 2MB FLASH SIMMs or 1MB SRAM SIMMs, Non-Mixed.

## ORDERING GUIDE

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### Model PCF1A-0MFE

FLASH EPROM board with FFS

### Model PCF1A-0MSR

Battery Backed SRAM board with Battery

### Model PCF1A-0MFS

Combo board with Battery & FFS

### MEMORY SIMMS

#### Model PCF1-FE1

1MB FLASH EPROM SIMM

#### Model PCF1-FE2

2MB FLASH EPROM SIMM

#### Model PCF1-SR1

1MB SRAM SIMM

