

# 1: *Introduction*

## About RamWorks III and RamWorks basic

RamWorks® III and RamWorks basic are peripheral cards that expand the memory of the Apple® //e. The two cards are virtually the same, the main difference being in the amount of memory each card will support; RamWorks III can hold up to 1 Meg of memory on the main board and with the 2 Meg Plus (or 2 Meg) Expander, up to a total of 3 Meg. RamWorks basic recognizes up to 512K on the main board and up to 2.5 Meg total with the 2 Meg Plus (2 Meg) installed.

The other notable difference is the bank configuration of each card. The different configurations are detailed in Chapter 7.

Applied Engineering's reason for offering the two different cards is to give those customers who want to increase their memory a little, the chance to do so without paying a lot while still offering RamWorks III to those memory-hungry people who can never have enough.

**Note:** Unless otherwise specified, "RamWorks" refers to both RamWorks III and RamWorks basic.

RamWorks emulates all of the features of the Apple Extended 80 Column Text card. With the optional RGB Color Option installed, RamWorks also duplicates all features of the Apple Extended 80 Column Color card. (See Appendix C for details on the RGB option.)

RamWorks provides a full 80 column by 24 line video screen display and is 100% compatible with all software written for the Apple Extended 80 Column card. Even some programs written for other memory expansion cards are compatible with RamWorks. You can use the expanded memory to enhance application software like AppleWorks™, Magic Office System™, SensibleWriter™, Supercalc™, and many others. Programs from Applied Engineering, included in the RamWorks package, also allows you to use the additional memory to emulate one or more high speed "solid-state" disk drives, called "RamDrives."

## System Requirements

Simple. All you need is an Apple //e (domestic or European) and a video monitor capable of displaying 80 column text. (You can install RamWorks in the auxiliary slot of the Apple //e only; it cannot be installed in the Apple II, II Plus, //c or Apple IIGS.)

Most monochromatic computer monitors can display 80 column screens. Most TV sets, on the other hand, can't. Televisions are acceptable only for software which outputs a 40 column text display. The narrower 80 column characters tend to blur and are very difficult to read when displayed on a TV screen.

**Note:** If your RamWorks has more than 1.5 Megabytes of RAM installed, Applied Engineering recommends that you protect your system from excessive heat build-up with a cooling fan, such as the Kensington Microware System Saver®, available through many computer dealers.