



# Apple IIe Card

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## Technical Specifications

### Central processing unit (CPU)

- Microprocessor: 65C02
- Clock speed: 1.02 or 2.04 megahertz, selectable (up to 1 million operations per second)
- Address bus: 16 bits
- Address range: 65,536 bytes (64K)
- Data bus: 8 bits
- Registers: Accumulator, two index registers, stack pointer, processor status register, and program counter

### Memory

- 256K of RAM (128K standard RAM); can also access up to 256K of the Macintosh LC computer's memory
- Apple IIe read-only memory (ROM) simulator (in write-protected portions of the RAM) containing an Applesoft BASIC interpreter, system monitor, 80-column display firmware, and diagnostic routines

### Text display modes

- 80 columns, 24 lines, 5-by 7-dot matrix
- 40 columns, 24 lines, 5-by 7-dot matrix
- All text can appear on the screen as normal, inverse, or MouseText characters

### Graphics display modes

- Low-resolution color: 16 colors, 40 horizontal by 48 vertical blocks
- High-resolution color: 6 colors, 280 horizontal by 192 vertical dots
- High-resolution monochrome: 280 horizontal by 192 vertical dots
- Double high-resolution color: 16 colors, 140 horizontal by 192 vertical dots
- Double high-resolution monochrome: 560 horizontal by 192 vertical dots

### Compatible operating systems

- ProDOS
- DOS 3.3
- Pascal

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## System Requirements

To use the Apple IIe Card, you'll need an Apple Macintosh LC personal computer. An Apple Macintosh 12" RGB Display is recommended.

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## Ordering Information

The Apple IIe Card is scheduled for availability in March 1991.

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## Overview

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The Apple® IIe Card will allow users of Apple Macintosh® LC personal computers to run the world's largest collection of personal computer software--more than 10,000 Apple IIe programs. It's an excellent solution for Macintosh LC owners who already have an investment in Apple IIe software, as well as for those who want to gain access to this invaluable library of education, home, and business application programs.

To assure compatibility with virtually all Apple IIe applications, the Apple IIe Card contains a 65C02 microprocessor--the same one that's built into the Apple IIe personal computer. The card comes with 128K standard random-access memory (RAM) and can take advantage of up to 256K of Macintosh LC RAM. Also included are a floppy disk drive controller and connector ports for a 5.25-inch floppy disk drive and an Apple joystick.

Apple IIe-compatible applications can be stored on and launched directly from a 5.25-inch or 3.5-inch floppy disk; from a ProDOS® partition of the Macintosh LC computer's internal hard disk drive; or from an external ProDOS volume. The card also supports AppleTalk®

networking, giving you easy access to AppleShare® file and print servers and network printers such as the Apple LaserWriter® and ImageWriter® II.

The Apple IIe Card takes full advantage of your Macintosh LC computer's components, including the monitor, keyboard, mouse, and internal disk drives (both floppy and hard). By supporting the computer's serial and SCSI (Small Computer System Interface) ports, it also provides access to external Apple IIe-compatible devices.

With the superior resolution offered by Macintosh monitors, text and graphics generated by Apple IIe applications appear crisp and clear in all Apple IIe video modes (low resolution, high resolution, or double high resolution). Regardless of the video mode, Apple IIe applications run at normal Apple IIe speeds--or, using an optional mode of the Apple IIe Card, you can run them up to twice as fast.

The Apple IIe Card: It opens up the world of Apple IIe applications for your Macintosh LC personal computer.

## Features

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- 65C02 microprocessor
- 128K standard RAM (up to 256K expanded RAM)
- 5.25-inch disk drive port
- Joystick/hand-control port
- Compatible with Apple IIe mouse-based software
- Seamless integration with the Macintosh LC keyboard, mouse, disk drives, and peripheral ports

## Benefits

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- Runs virtually all Apple IIe applications--more than 10,000 programs covering almost every subject imaginable.
- Lets you run powerful Apple IIe programs and work with large documents.
- Allows you to use standard 5.25-inch floppy disks that can hold Apple IIe applications or up to 140K (about 100 typewritten pages) of information.
- Lets you connect joysticks, hand controllers, and special-purpose input devices.
- Simplifies operation of the computer by letting you use the Macintosh mouse to control icons and pull-down menus.
- Minimizes costs, because a single computer can run both Macintosh and Apple IIe software.