



Overview

The Macintosh™ II Video Card provides a single interface for both the Apple® High-Resolution Monochrome Monitor and the AppleColor™ High-Resolution RGB Monitor. It allows you to display up to 16 colors (or gray levels) simultaneously from a palette of more than 16 million.

The optional Macintosh II Video Card Expansion Kit increases the display capability of your monitor to 256 colors (or gray levels) simultaneously.

Features

- ▶ Compatible with both the AppleColor High-Resolution RGB Monitor and the Apple High-Resolution Monochrome Monitor
- ▶ Up to 16 colors (or shades of gray) at one time from a palette of more than 16 million colors/gray levels
- ▶ Optional 8-bit expansion kit
- ▶ Software-selectable display modes
- ▶ NuBus compatible
- ▶ RS-170 capability

Benefits

- ▶ Requires only one video card for either color or monochrome display.
- ▶ Provides a monitor upgrade path with no additional interface costs.
- ▶ Offers a comprehensive range of professional-quality colors for enhancing graphics, presentation materials, and other documents.
- ▶ Increases the display capability to 256 colors (or gray levels).
- ▶ Lets you display two, four, 16, or 256* colors/gray levels with a simple change from the computer's Control Panel.
- ▶ Plugs easily into any Macintosh II slot.
- ▶ Gives you complete flexibility with internal card placement.
- ▶ Provides interlaced video output compatible with many types of video equipment.

* 256-color option available only with expansion kit installed.



Macintosh II Video Card and Expansion Kit

Product Details

Software-selectable display modes

Using the Control Panel of the Macintosh II System file, you can set the Macintosh II Video Card to display one, two, or four bits per pixel. This provides, respectively, 2, 4, or 16 colors or gray levels. (The AppleColor High-Resolution RGB Monitor can display either colors or gray levels; the Apple

High-Resolution Monochrome Monitor will display gray levels.)

The ability to set a two-level display ensures the fastest operation of monochrome Macintosh applications.

Optional 8-bit upgrade

The Macintosh II Video Card comes with 4-bit-per-pixel dis-

play capability. By upgrading this to 8 bits per pixel with the Video Card Expansion Kit, you can then view up to 256 colors/gray levels on your monitor's screen simultaneously (by selecting the 8-bit option on the Control Panel). The upgrade consists of eight video RAM chips, which fit into sockets on the Video Card.

System Requirements

- ▶ A Macintosh II personal computer

Technical Specifications

Interface

- ▶ NuBus; plugs into any Macintosh II slot

Connector

- ▶ 15-pin D-style

Display modes

- ▶ 1, 2, or 4 bits per pixel (2, 4, or 16 colors/gray levels)
- ▶ Upgradable to 8 bits per pixel (256 colors/gray levels) with the Macintosh II Video Card Expansion Kit

Display resolution

- ▶ 640 pixels horizontally by 480 pixels vertically

Output signals

- ▶ Modes: RGB (analog) and monochrome
- ▶ Video: RS343 standard, and RS-170 timing-standard interlaced video
- ▶ Sync: Composite; negative-going TTL

Color lookup table

- ▶ Provides a palette of 16 million colors driving 8-bit DACs (digital-analog converters) for each of the three RGB channels

Read/write speed

- ▶ 400 nanoseconds (through NuBus interface)

Raster rates

- ▶ Vertical: 66.7 hertz
- ▶ Horizontal: 35.0 kilohertz
- ▶ Dot clock: 30.24 megahertz

Power consumption

- ▶ 10 watts

Ordering Information

Macintosh II Video Card

Order No. M0211

With your order, you'll receive:

- ▶ Macintosh II Video Card (4 bit per pixel on-board capability)
- ▶ Installation referral card
- ▶ Limited warranty statement

Macintosh II Video Card Expansion Kit*

Order No. M0213

With your order, you'll receive:

- ▶ Expansion Kit (consisting of 8 video RAM chips)

*Dealer installation of these chips is required.