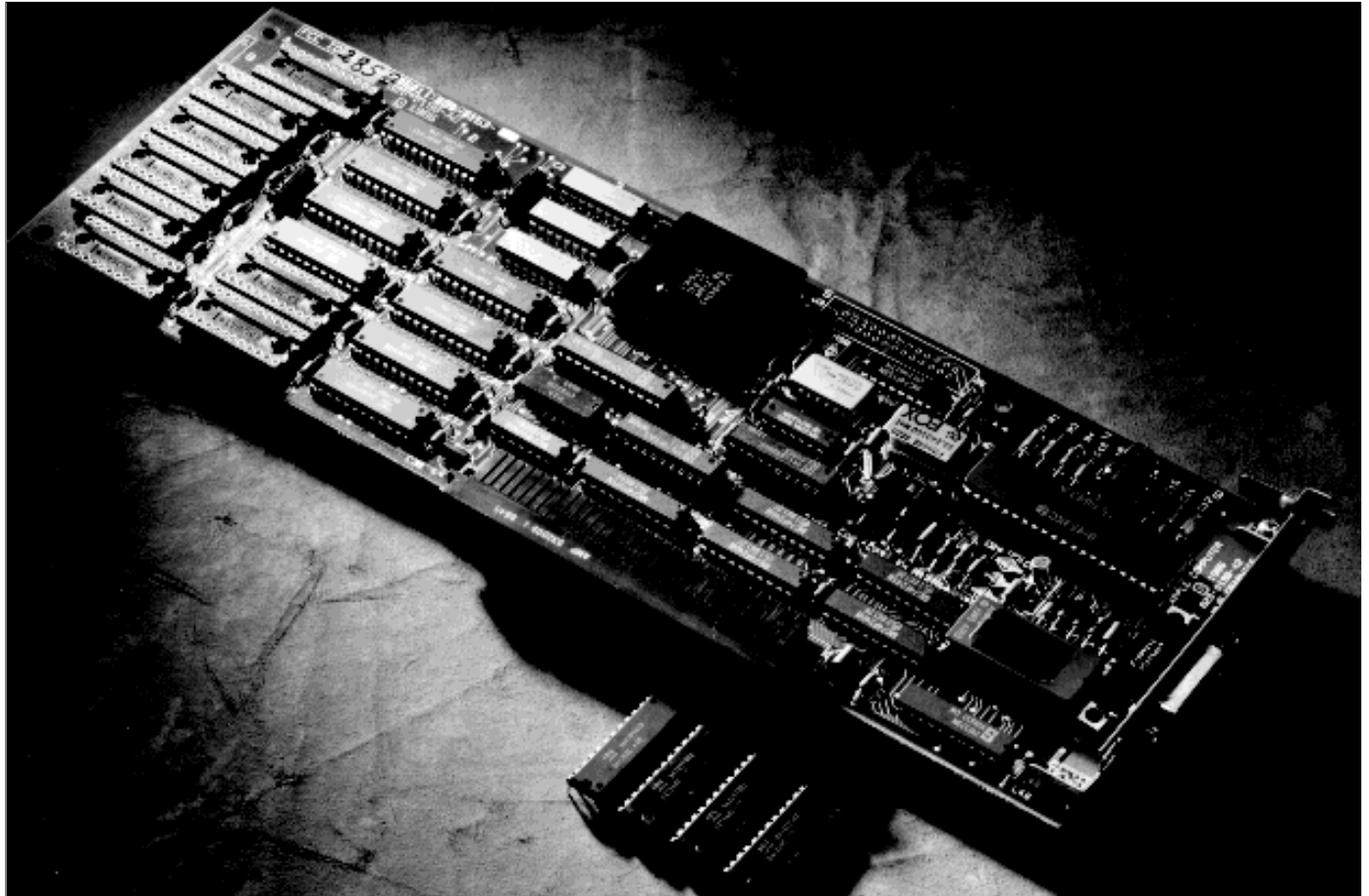


Macintosh II High-Resolution Display Video Card and Expansion Kit



Overview

The Macintosh® II High-Resolution Display Video Card provides the Macintosh II family of computers with 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 256 colors (or gray levels) simultaneously from a palette of more than 16 million.

In the basic configuration, the card allows for 16 colors or gray levels; the extended card allows for up to 256 colors or gray levels. You can upgrade the basic card to the capabilities of the extended card by using the Video Card Expansion Kit.

Features

- ▶ Compatible with both the Apple-Color High-Resolution RGB Monitor and the Apple High-Resolution Monochrome Monitor
- ▶ Up to 256 colors (or shades of gray) at one time from a palette of more than 16 million colors/gray levels
- ▶ Software-selectable display modes
- ▶ NuBus™ interface
- ▶ 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 colors for enhancing graphics, presentation materials, and other documents.
- ▶ Lets you display 2, 4, 16, or 256 colors or 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.



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Product Details

Software-selectable display modes

Using the Control Panel of the Macintosh II System file, you can set the Macintosh II High-Resolution Display Video Card to display one, two, four, or eight bits per pixel. This provides, respectively, 2, 4, 16, or 256 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 monochromatic Macintosh applications.

Configuration options

The Macintosh II High-Resolution Display Video Card comes with 4-bit-per-pixel display capability. With the 8 bits offered by the extended card—or by the basic card upgraded with the Expansion Kit—you can view up to 256 colors or gray levels on your monitor's screen simultaneously.

System Requirements

To use a Macintosh II High-Resolution Display Video Card, you'll need:

- ▶ A personal computer in the Macintosh II family of systems

Technical Specifications

Interface

- ▶ NuBus; plugs into any Macintosh II slot

Connector

- ▶ 15-pin D-style

Display modes

- ▶ 1, 2, 4, or 8 bits per pixel (2, 4, 16, or 256 colors/gray levels)

Display resolution

- ▶ 640 pixels horizontally by 480 pixels vertically

Output signals

- ▶ Modes: RGB (analog) and monochrome
- ▶ Video: RS-343 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 High-Resolution Display Video Card

Order No. M0322

With your order, you'll receive:

- ▶ Macintosh II High-Resolution Display Video Card (4-bit-per-pixel capability)
- ▶ Installation referral card
- ▶ Limited warranty statement

Macintosh II Extended High-Resolution Display Video Card

Order No. M0324

With your order, you'll receive:

- ▶ Macintosh II Extended High-Resolution Display Video Card (8-bit-per-pixel capability)
- ▶ Installation referral card
- ▶ Limited warranty card

Macintosh II High-Resolution Display Video Card Expansion Kit*

Order No. M0213

With your order you'll receive:

- ▶ Expansion kit (consisting of eight video RAM chips)

*Dealer installation is required.

Apple Computer, Inc.

20525 Mariani Avenue
Cupertino, CA 95014
(408) 996-1010
TLX: 171-576

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