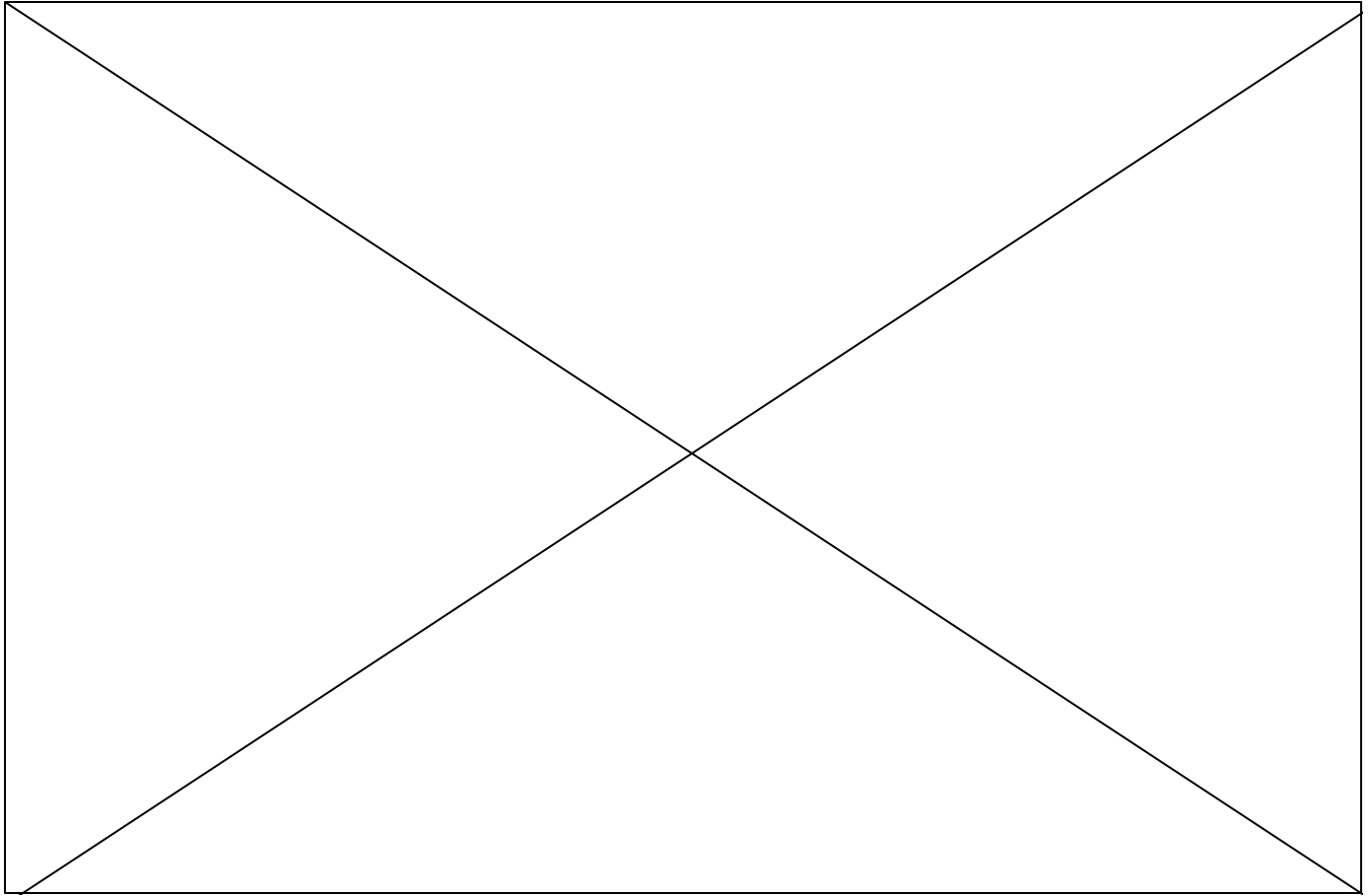


# Apple Macintosh Portrait Display



## Overview

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The Apple® Macintosh® Portrait Display is a high-resolution 15-inch monochrome display for the modular Macintosh personal computer family. It's ideal for work with desktop publishing, word processing, and general productivity applications because it can display one full 8 1/2 x 11-inch page of text and graphics. The Apple Macintosh Portrait

Display shows a complete page of information as it will appear in print. This makes it easy to preview and edit documents and add text or graphics; it also minimizes scrolling.

Users of the Apple Macintosh Portrait Display will find that page layout of text and graphics will be more accurate and much more efficient.

The Apple Macintosh Portrait Display minimizes eyestrain by using a flatter screen and higher refresh rate than many other displays. The Apple Macintosh Portrait Display is also designed to provide excellent focus for sharp, clear images and text.

# Features

# Benefits

- 15-inch monochrome CRT (portrait orientation)

- Lets you display one full 8 1/2 x 11-inch page of text and graphics, including menu, title, and scroll bars.
- Displays documents with the same orientation as a letter or portrait, for more efficient page layout.

- 640 horizontal pixels by 870 vertical lines at 80 dots per inch (dpi)

- Provides sharp display of images, text, and graphics.

- Square screen that is flatter than many other displays

- Reduces the distortion normally found at the edges of CRTs.
- Minimizes eyestrain.

- Analog 1-, 2-, 4-, or 8-bit pixel depth

- Allows for true shading.
- Permits 16 shades of gray to be displayed simultaneously at 4-bit pixel depth.
- Permits 256 shades of gray to be displayed simultaneously at 8-bit pixel depth.

- 75-hertz screen refresh rate

- Reduces eyestrain by eliminating flicker.

- Universal power supply

- Lets you operate the display in electrical environments from 90 volts AC to 270 volts AC

- Antiglare screen

- Minimizes reflected glare.
- Makes working in bright rooms easier.

- Extended power, video, and Apple Desktop Bus<sup>®</sup> (ADB) cables

- Lets you place the display away from the CPU

- Three ADB connectors on the display

- Allows for direct connection of a keyboard, mouse, or other ADB device to the display, for increased flexibility.

# Technical Specifications

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## Picture tube

- 15-in. diagonal, square, flat screen
- Phosphor EIA Type P4 (white)
- High-contrast antiglare surface

## Screen resolution

- 640 horizontal pixels by 870 vertical lines; 80 dots per inch (dpi)

## User controls

- Power switch, brightness, and contrast

## Input signals

- Video: analog, RS-343 standard
- Sync: separate sync, negative-going, TTL

## Active video display area

- 8 in. horizontal by 10.87 in. vertical (20.3 cm horizontal by 27.6 cm vertical)

## Connectors

- Three Apple Desktop Bus (ADB) connectors

## Scanning and refresh rates

- Horizontal scan rate: 68.85 kilohertz
- Vertical refresh rate: 75 hertz
- Dot clock: 52 megahertz

## Electrical requirements

- Voltage: 90 to 270 volts AC, self-configuring
- Frequency: 47 to 63 hertz
- Power: 75 watts maximum

## Size and weight

- Height: 13.1 in. (33.2 cm)
- Width: 11.5 in. (29.2 cm)
- Depth: 14.9 in. (37.9 cm)
- Weight: 35 lb. (16 kg)

## Operating environment

- Operating temperature: 50° F to 95° F (10° C to 35° C)
- Operating humidity: 90% maximum, noncondensing
- Operating altitude: 10,000 ft. (3,048 m) maximum



# Apple Macintosh Portrait Display

## System Requirements

To use the Apple Macintosh Portrait Display, you'll need the following:

- A Macintosh personal computer with a built-in video port or an appropriate video card such as the Macintosh Display

Card 4-8, the Macintosh Display Card 8-24, or the Macintosh Display Card 8-24gc

- A video cable (supplied with the monitor)

You may also want to purchase:

- A Macintosh Display Card VRAM Expansion Kit (Order No. M0412)
- An Apple Universal Monitor Stand (Order No. M0403)

## Ordering Information

Apple Macintosh Portrait Display

Order No. M0404

With your order, you'll receive:

- Apple Macintosh Portrait Display
- Extended video cable
- Extended power cable
- Extended ADB cable
- Complete setup, learning, and reference documentation
- Limited warranty statement

Macintosh Display Card 4-8

Order No. M0121

Macintosh Display Card 8-24

Order No. M0507

Macintosh Display Card 8-24gc

Order No. M0122

Macintosh Display Card VRAM Expansion Kit\*

Order No. M0412

Apple Universal Monitor Stand

Order No. M0403

\*Dealer installation of these chips is strongly recommended.