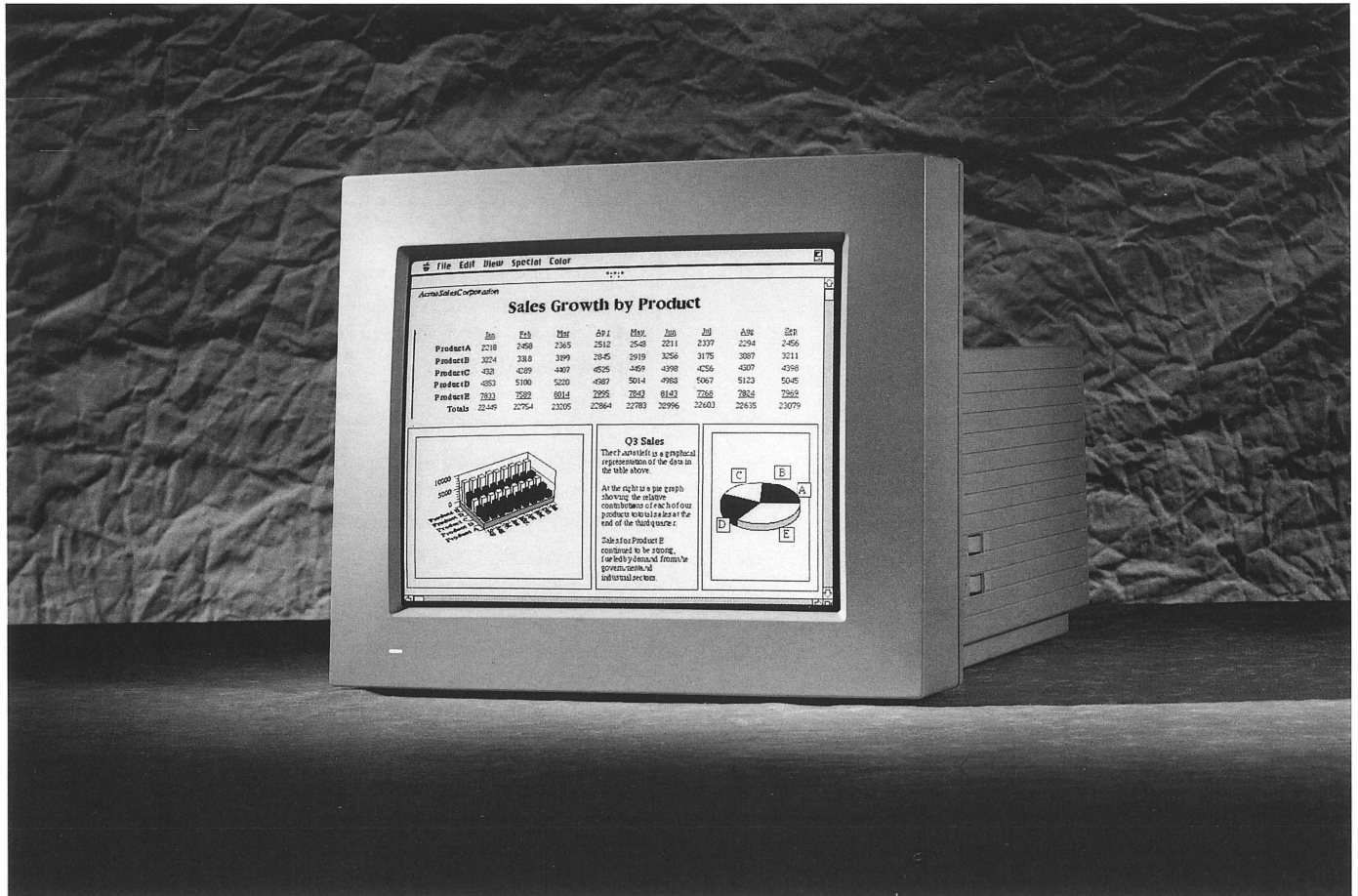# Macintosh 12" Monochrome Display

Overview

The Macintosh® 12" Monochrome Display offers users of modular Macintosh computers the lowest-cost option for high-resolution display of text and graphic images. It is an excellent choice for anyone who needs to view text and graphics in black and white or gray scale.

With a new "page-white" phosphor screen and dark glass, the Macintosh 12" Monochrome Display offers high brightness and sharp contrast. Its 12-inch, 640- by 480-pixel screen shows the full width and more than half the height of a letter-size page. It can also display up to 256 levels of gray simultaneously, depending on the Macintosh computer or video card to which it is connected.

Features

- ▶ 12-inch monochrome CRT

- ▶ 640 horizontal pixels by 480 vertical lines at 76 dots per inch (dpi)

- ▶ 67-hertz screen refresh rate

- ▶ "Page-white" phosphor screen and dark glass

- ▶ Antiglare screen

- ▶ Brightness and contrast controls

Benefits

- ▶ Delivers sharp, crisp display of text and graphics on a full-size screen.
- ▶ Offers superior resolution and focus for displaying small type and fine graphic details.

- ▶ Lets you display the full width (including margins) and more than half the height of a letter-size page.
- ▶ Maintains close size integrity between the screen and printed documents.

- ▶ Reduces eyestrain by eliminating flicker.

- ▶ Improves brightness and contrast.

- ▶ Minimizes reflected glare.
- ▶ Lets you work comfortably in bright rooms.

- ▶ Lets you adjust the display to suit your preferences and environment.

Product Details

When connected to a Macintosh IIsi, Macintosh IIci, or modular Macintosh personal computer equipped with an appropriate video card, the Macintosh 12" Monochrome Display lets you work with up to 256 shades of gray simultaneously. When connected to a Macintosh LC personal computer, it can display 16 shades of gray.

System Requirements

To use the Macintosh 12" Monochrome 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 display)

Technical Specifications

Picture tube
► 12-in. diagonal
► Combination phosphor EIA Type P104 and P193 (white), dark glass
► High-contrast antiglare screen

Screen resolution
► 640 horizontal pixels by 480 vertical lines; 76 dots per inch (dpi)

User controls
► Back panel:
—Power switch
► Right side:
—Brightness
—Contrast

Input signal
► RS-343 standard; TTL composite sync

Active video display area
► 8.35 in. horizontal by 6.26 in. vertical (212 mm horizontal by 159 mm vertical); remainder of display area is used for border.

Scanning and refresh rates
► Horizontal scan rate: 35.0 kilohertz
► Vertical refresh rate: 66.7 hertz

Rise and fall time
► 16 nanoseconds maximum

Electrical requirements
► Voltage: 90 to 132 and 190 to 270 volts AC
► Frequency: 47 to 63 hertz
► Power: 30 watts maximum, all line conditions

Fuse protection
► Internal power line fuse protection; the display fuse should be replaced with a fuse of the same type by a qualified service technician.

Operating environment
► Operating temperature: 50° F to 104° F (10° C to 40° C)
► Operating humidity: 95% maximum, noncondensing
► Operating altitude: 10,000 ft. (3,048 m) maximum

Size and weight
► Height: 12.2 in. (31.0 cm)
► Width: 14.4 in. (36.5 cm)
► Depth: 10.2 in. (25.9 cm)
► Weight: 16 lb. (7.3 kg)

Ordering Information

Macintosh 12" Monochrome Display

Order No. M0298LL/A

With your order, you'll receive:
► Macintosh 12" Monochrome Display
► Video cable
► Power cable
► Complete setup, learning, and reference documentation
► Limited warranty statement

Apple Computer, Inc.