



## Overview

The Apple® ImageWriter® LQ is ideal for users who need a versatile dot-matrix printer to handle a broad range of office printing tasks. Besides producing letter-quality text and graphics, the ImageWriter LQ offers paper handling, color, and networking capabilities.

Compatible with both Macintosh™ and Apple II personal computers, the ImageWriter LQ is designed to print virtually any

type of document on almost any type of paper, with ease and clarity.

Exceptionally flexible paper-handling features—including a single push/pull tractor, a bottom feed, and an optional cut-sheet feeder—let you effortlessly print multipart forms, heavy-gauge paper, envelopes, and labels in addition to standard reports or correspondence. A 15-inch-wide carriage lets you print financial spreadsheets and, with the addition of the ImageWriter LQ

Color Ribbon, you can use color to highlight reports or presentation graphics. What's more, with the addition of the ImageWriter AppleTalk® Option, up to 31 users on an AppleTalk Personal Network can share an ImageWriter LQ, for cost-effective printing.

The ImageWriter LQ is designed for any task—from word processing and business graphics to accounting and artwork—and any office.

## Features

## Benefits

▶ Unique 27-pin print head prints up to 216 dots per inch (dpi)	▶ Delivers outstanding letter-quality text and graphics.
▶ Three speeds and resolutions	▶ Lets you choose the speed and output quality you need for any document—fast draft, near-letter-quality (NLQ), or letter-quality (LQ).
▶ Variety of Macintosh typefaces and type sizes	▶ Prints a wide range of type sizes in the most popular typefaces: Times®, Helvetica®, Courier, and Symbol.
▶ Apple II text enhancements	▶ Supports boldface, superscript, subscript, underlining, and proportional text.
▶ Flexible paper-handling mechanism	▶ Accepts continuous-form computer paper, single sheets such as letterhead, labels, envelopes, heavy-gauge paper, and multipart forms.
▶ 15-inch-wide carriage	▶ Accepts spreadsheets and forms that exceed standard 8½-inch page widths.
▶ Multiple-carbon-copy capability	▶ Lets you print multiple-part forms of as many as five sheets each.
▶ Single tractor with push or pull mode	▶ Eliminates the need for multiple tractors for different printing tasks, and allows choice of tractor mode.
▶ Bottom feed	<div>▶ Simplifies feeding of multipart forms, labels, and heavy-gauge papers.</div> <div>▶ Prevents the jamming that's commonly associated with top-through feeding.</div>
▶ Optional sheet feeder with up to three bins	<div>▶ Permits automatic loading of up to 100 pages of cut-sheet paper per bin.</div> <div>▶ Permits envelope feeding with the use of an optional envelope attachment.</div>
▶ Optional AppleTalk interface	<div>▶ Allows access by as many as 31 users, for cost-effective printing.</div> <div>▶ Permits higher-speed printing.</div>
▶ Color capability	▶ With the ImageWriter LQ color ribbon, prints text and graphics in vibrant colors.
▶ Software compatibility	▶ Offers compatibility with most Apple II and Macintosh software*.

*\* See your authorized Apple dealer or software supplier for details.*



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## System Requirements

To use the Apple ImageWriter LQ printer, you will need:

- ▶ An Apple IIgs™, Apple IIc, Macintosh Plus, Macintosh SE, or Macintosh II computer; or an Apple IIe computer with an

Apple Super Serial Card (or other compatible interface)  
▶ The appropriate connector cable for your system

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## Technical Specifications

### Print method

- ▶ 27-pin impact dot matrix

### Print modes/speeds\* (using internal ROM fonts)

- ▶ Draft: 250 characters per second (cps) at 10 characters per inch (cpi)
- ▶ Near-letter-quality (NLQ): 90 cps at 10 cpi; 140 cps at 144 dots per inch (dpi) (proportional)
- ▶ Letter quality (LQ): 115 cps at 216 dpi (proportional)

### Print resolutions (using internal ROM fonts)

- ▶ Draft: 72 dpi horizontal x 72 dpi vertical
- ▶ NLQ: 144 dpi (H) x 216 dpi (V)
- ▶ LQ: 216 dpi (H) x 216 dpi (V)

### Character pitches (using internal ROM fonts)

- ▶ Draft and NLQ fixed pitch: 9 to 17 cpi
- ▶ Draft proportional: 144 or 160 dpi (using half-dot technique)
- ▶ NLQ proportional: 144 or 160 dpi
- ▶ LQ proportional: 216 dpi

*\* Calculated using Shannon text. Actual speed will vary depending on computer and software.*

### Macintosh fonts (on disk)

- ▶ Times, Helvetica, Courier, and Symbol typefaces in 9-, 10-, 12-, 14-, 18-, and 24-point sizes

### Character sets (built-in)

- ▶ American, British, Italian, Danish, German, Swedish, French, and Spanish
- ▶ Selectable by using dip switches or appropriate software

### Line spacing

- ▶ 6 or 8 lines per inch, or user programmable in increments of  $\frac{1}{144}$  inch (up to  $\frac{9}{144}$  inch)

### Maximum line-feed rate

- ▶ 4 inches per second

### Paper options

- ▶ Format: cut sheet or fanfold continuous, envelopes, labels, multipart forms
- ▶ Width: 3.5 to 15 inches (plus pin-feed margins)
- ▶ Thickness: .05 to .55 millimeters

### Multipart form capability

- ▶ Up to 5 pages thick

### Ribbons

- ▶ Type: fabric, continuous loop
- ▶ Available colors
  - Black (typical life: 4 million characters)
  - Four-color (magenta, cyan, yellow, black) (typical life: 1 million characters per color)

### Interface

- ▶ Type: RS-422/RS-232 (serial)
- ▶ Buffer: 5 kilobytes
- ▶ Baud rate: 300, 1200, 2400, 9600, or 19,200 (user selectable)
- ▶ Connector: minicircular 8-pin

### Size and weight

- ▶ Height: 5  $\frac{1}{8}$  in. (130 mm)
- ▶ Width: 23 in. (590 mm)
- ▶ Depth: 15  $\frac{1}{4}$  in. (380 mm)
- ▶ Weight: 38 lb. (17 kg)

### Power requirements

- ▶ 120 volts AC ( $\pm 10\%$ ; 60 hertz)



# Apple ImageWriter LQ

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## Ordering Information

### Apple ImageWriter LQ

Order No. A9M0340

With your order, you'll receive:

- ▶ Apple ImageWriter LQ printer
- ▶ Power cord
- ▶ Ribbon (black)

- ▶ Printer resource and Macintosh fonts on 800K disks
- ▶ User's guide
- ▶ Limited warranty statement

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You will also need one of the following connector cables:

▶ **Apple System Peripheral-8 Cable** (for a Macintosh Plus, Macintosh SE, Macintosh II, or Apple IIGs)  
Order No. M0197

▶ **Macintosh Peripheral-8 Cable** (for a Macintosh 512K Enhanced)  
Order No. M0196

▶ **Apple IIc Peripheral-8 Cable** (for an Apple IIc)  
Order No. A2C4313

▶ **Apple II Printer-8 Cable** (for an Apple IIe)  
Order No. A9C0314

▶ **AppleTalk System Connector Kit** (for use over an AppleTalk network with the ImageWriter AppleTalk Option installed)  
Order No. M2053

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## Optional Accessories

### ImageWriter II/LQ AppleTalk Option

Order No. A9B0313

### ImageWriter LQ Black Ribbon

Order No. A9G0335

### ImageWriter LQ Color Ribbon

Order No. A9G0336

### ImageWriter LQ Cut Sheet Feeder (primary bin)

Order No. A9G0340

### ImageWriter LQ Expansion Bin (for use with A9G0340)

Order No. A9G0341

### ImageWriter LQ Envelope Attachment (for use with A9G0340)

Order No. A9G0343

*ImageWriter LQ Reference Manual* (available from Addison-Wesley Publishing Company)