



Overview

The Apple® Personal LaserWriter® LS printer is Apple's most affordable laser printer for Macintosh® computers.

Designed for individual use, the Personal LaserWriter LS printer provides all of the important benefits customers have come to associate with laser printers from Apple: outstanding printed results for both text and graphics, versatility, and ease of use. It's ideal for people who want a convenient, reliable way to produce professional-quality letters, reports, memos, and charts.

The Personal LaserWriter LS printer is compact, fits easily on any desktop, and has a built-in multipurpose tray that accommodates different sizes of both paper and envelopes, as well as labels. In addition, optional cassettes make it possible for you to print up to 250 sheets of letter- or legal-size paper, or 15 envelopes, automatically.

Best of all, you can put the Personal LaserWriter LS printer to work right away; simply plug it in and begin printing. There's no need to purchase additional cabling, interface cards, software drivers, or memory.

The Personal LaserWriter LS printer comes with four TrueType® font families: Times®, Helvetica®, Courier, and Symbol. TrueType, Apple's advanced font technology, allows you to print high-quality text in any size you like and makes the text on your screen smoother and more legible. In addition to the TrueType fonts provided with the Personal LaserWriter LS printer, a wide variety of compatible TrueType fonts—including text and headline fonts, symbol fonts for special purposes, and novelty fonts for decoration—are available from other suppliers.

Features

Benefits

<ul style="list-style-type: none">· 300-dot-per-inch (dpi) resolution	<ul style="list-style-type: none">· Produces professional-quality printed text, graphics, and scanned images for memos, reports, letters, and presentations.
<ul style="list-style-type: none">· Innovative software/hardware technology	<ul style="list-style-type: none">· Supports printing of virtually any document you need including lengthy documents containing graphics—without purchasing additional memory.· Improves printer performance by reducing the time needed to send data to the printer.
<ul style="list-style-type: none">· High-speed communications interface	<ul style="list-style-type: none">· Ensures efficient, high-quality printing and improves performance.
<ul style="list-style-type: none">· Canon LBP-LX laser-xerographic print engine	<ul style="list-style-type: none">· Offers outstanding durability and nearly maintenance-free performance.· Provides a minimum performance life of 150,000 pages—equivalent to printing 200 pages a day, 5 days a week, 52 weeks a year, for more than 5 years.· Prints documents at up to 4 pages per minute
<ul style="list-style-type: none">· TrueType font families, including:<ul style="list-style-type: none">--Times--Helvetica--Courier--Symbol	<ul style="list-style-type: none">· Provides professional fonts for producing memos, reports, and presentations.· Lets you print documents in virtually any type size and a wide range of styles.· Displays screen fonts at any size in crisp, clear detail.
<ul style="list-style-type: none">· Support for different printing materials	<ul style="list-style-type: none">· Lets you print on a variety of materials—including photocopy bond, letterhead, color stock, envelopes, labels, and overhead transparency film.
<ul style="list-style-type: none">· Multipurpose tray	<ul style="list-style-type: none">· Simplifies printing on different paper sizes, envelopes, or labels.· Provides automatic feeding of up to 50 sheets of paper or 5 envelopes.
<ul style="list-style-type: none">· Optional sheet feeder and paper cassette	<ul style="list-style-type: none">· Provides automatic feeding of up to 250 sheets of paper.
<ul style="list-style-type: none">· Optional envelope cassette	<ul style="list-style-type: none">· Lets you print on up to 15 envelopes automatically.
<ul style="list-style-type: none">· Optional legal cassette	<ul style="list-style-type: none">· Provides automatic feeding of up to 250 sheets of legal-size paper.

Product Details

How it works
The Personal LaserWriter LS produces each finished page of text and graphics using a language built into every Macintosh called QuickDraw.[†] The Print command on your Macintosh sends a dot-by-dot bitmap created in QuickDraw to the Personal LaserWriter LS, which then matches the bitmap dot for dot. The pulses of the laser beam form 300 dots per inch. Once the

Personal LaserWriter LS has stored the bitmap in its memory, it can produce up to four pages a minute.

Memory
The printer comes with 512K of RAM standard; however, its innovative data compression/decompression technology enables the printer to operate as if it had up to 2.5 megabytes of RAM, depending on the page being printed.

TrueType
When printing, the Personal LaserWriter LS printer uses TrueType, Apple's advanced font technology that provides high-quality text on all Macintosh computers and printers. TrueType makes it possible for you to print text in any size you want, from tiny footnotes to headlines. TrueType also makes the text on your screen smoother and more legible and ensures that the screen text closely matches the printed results.

System Requirements

To use the Personal LaserWriter LS printer, you'll need the following:

- Any Macintosh personal computer with at least 1 megabyte of RAM

- Hard disk drive
- System software 6.0.7 or later

Technical Specifications

Marking engine
• Canon LBPLX laser-xerographic

Controller
• Application-Specific Integrated Circuit (ASIC), 512K of RAM, and RS-422 serial interface

Print quality
• 300 dots per inch (dpi) for text and graphics

Font families
• Times, Helvetica, Courier, and Symbol in TrueType format

Type styles
• Regular, bold, italic, and bold italic, with additional styles depending on the application

Support for additional fonts
• The Personal LaserWriter LS printer can support additional TrueType fonts from a variety of suppliers.

Speed
• 4 pages per minute maximum (The actual speed depends on the images printed.)

Interface
• High-speed (909K) RS-422 serial interface, externally clocked

Recommended duty cycle
• Toner cartridge: 3,500 pages
• Printer: minimum 150,000 pages, with no monthly page limit

Paper feed
• Automatic or manual with multipurpose tray
• Automatic with optional feeder and paper cassette

Print materials
• Media
–Apple recommends 20-lb. photocopy or typewriter bond (75 g/m²), though the printer also accepts 16-lb (60 g/m²) to 28-lb (105 g/m²) paper.
–Most letterhead and colored stock
–Medium-weight photocopier transparencies

–Labels
–Envelopes
• Sizes
–Paper: U.S. letter, U.S. legal, A4, B5 (Japanese Industry Standard)
–Envelopes: minimum 3.5 ¥ 7 in. (86 ¥ 178 mm); maximum 7.4 ¥ 10.5 in. (188 ¥ 267 mm)

Paper capacities
• Multipurpose tray: up to 50 sheets of paper or 5 envelopes
• Optional paper cassette: 250 sheets of 20-lb. (75 g/m²) paper
• Optional legal cassette: 250 sheets of legal-size paper
• Optional envelope cassette: 15 envelopes
(To print envelopes, you can use the multipurpose tray with automatic or manual feed, or the optional envelope cassette. To print labels, use the multi-purpose tray and manual feed.)

(Continued)



Apple Personal LaserWriter LS

Technical Specifications (Continued)

Printable surface

- Maximum printable line: 8.0 in. (203.2 mm)
 - Minimum top and bottom margins: 0.25 in. (6.35 mm)
 - Minimum left and right margins: 0.25 in. (6.35 mm)
- (The actual printable area may vary depending on the application.)

Size and weight

- Height: 8 in. (20.3 cm)
- Width: 15 in. (38 cm)
- Depth: 18.3 in. (46.4 cm)
- Weight: 31 lb. (14.5 kg)

Power requirements

- U.S./Japan: 100 to 115 volts AC, 50 to 60 hertz
- Europe/Australia: 220 to 240 volts AC, 50 to 60 hertz

Operating environment

- Temperature: 50° F to 90° F (10° C to 32° C)
- Humidity: 20% to 80%, non-condensing
- Toner cartridge transit environment: -4° F to +104° F (-20° C to +40° C)

Power consumption

- 600 watts maximum at 115 volts
- 550 watts maximum at 220 volts

Ordering Information (USA 110V)

Personal LaserWriter LS with Accessory Kit

Order No. B0454LLA

- With your order, you'll receive:
- Personal LaserWriter LS printer
 - Personal LaserWriter Toner Cartridge
 - Installation disk
 - TrueType Fonts disk
 - Macintosh Printing Tools disk
 - Power and interface cables
 - Complete setup, learning, and reference documentation
 - Limited warranty statement

Personal LaserWriter LS and Accessory Kit bundled with system software version 6.0.7

Order No. B0459LLA

Related Products

Personal LaserWriter Toner Cartridge
Order No. M0089LLA

Personal LaserWriter Letter Cassette
Order No. M0091KKA

Personal LaserWriter Legal Cassette
Order No. M0302LLA

Personal LaserWriter Envelope Cassette
Order No. M0094LLA

Personal LaserWriter Paper Feeder with: Letter Cassette
Order No. B0464LLA
Legal Cassette
Order No. B0467LLA
Envelope Cassette
Order No. B0468LLA

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February 1991. Product specifications are subject to change without notice. Printed in U.S.A. M1076LLA