



# Personal LaserWriter NT

## Technical Specifications

### Marking engine

- Canon LBP-LX laser xerographic

### Controller

- The LaserWriter controller hardware contains a 12 MHz 68000 CPU, 1.25 megabytes of ROM, 2 megabytes of RAM, LocalTalk interface, and RS-232-C serial interface

### Print quality

- 300 dots per inch for text and graphics

### Built-in font families

- ITC Avant Garde Gothic, ITC Bookman, Courier, Helvetica, Helvetica Narrow, New Century Schoolbook, Palatino, Symbol, Times, ITC Zapf Chancery, ITC Zapf Dingbats, and IBM PC Graphics Extended Character Set (ECS)

### Support for additional fonts

- Any PostScript font from a variety of suppliers

### Speed

- Four pages per minute maximum (actual speed depends on the images printed)

### Interfaces

- LocalTalk, RS-232-C, and RS-422

### Printing protocols

- PostScript, HP LaserJet Plus, and a subset of the Diablo 630 command set

### Recommended duty cycle

- Toner cartridge: 3,500 pages
- Printer: minimum 150,000 pages, with no monthly page limit

### Paper feed

- Input:
  - Automatic with paper cassette
  - Automatic or manual with multipurpose tray
- Output:
  - Face down or face up options

### Print materials

- Media: Apple recommends 20-lb. photocopy or typewriter bond (75 g/m<sup>2</sup>), though the printer also accepts 16-lb. (60 g/m<sup>2</sup>) to 28-lb. (105 g/m<sup>2</sup>) paper. For best results, use envelopes that are recommended for laser printers.

### Sizes

- Paper: U.S. letter, U.S. legal, A4, B5 (Japanese Industry Standard)

- Envelopes: minimum 3.5 x 7 in. (86 x 178mm); maximum 7.4 x 10.5 in. (188 x 267mm)

### Paper capacities

- Paper cassette: 250 sheets of 20-lb. (75 g/m<sup>2</sup>) paper
- Multipurpose tray: up to 50 sheets of paper or 5 envelopes
- 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 multipurpose tray using manual feed.)

### Printable surface

- Maximum printable line: 8.1 in. (205.9mm)
- Minimum top and bottom margins: 0.235 in. (6.0mm)
- Minimum left margin: 0.197 in. (5.0mm)
- Minimum right margin: 0.197 in. (5.0mm) (The actual printable area may vary depending on the application.)

### Emulation

- HP LaserJet Plus and Diablo 630

### Size and weight

- Height: 9.8 in. (24.8cm)
- Width: 15 in. (38cm)
- Depth with letter-size cassette: 18.3 in. (46.4 cm)
- Weight: 32 lb. (15 kg)

### Operating environment

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

### 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

### Power consumption

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

## Ordering Information

**Personal LaserWriter NT**  
Order No. B0325LL/A

With your order, you'll receive:

- Personal LaserWriter NT
- Paper cassette
- Personal LaserWriter toner cartridge
- LaserWriter Fonts disk

- Installation disk
- *Personal LaserWriter NT Owner's Guide*
- *Personal LaserWriter NT Quick Setup Guide*
- Limited warranty statement

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## Product Details

### PostScript

PostScript is an industry-standard page description language. It tells a printer precisely where to place text and graphics on the page, allowing fonts to appear in any size, style, and orientation, and offering virtually unlimited graphics capabilities. PostScript is one of the most powerful and versatile page description languages available.

The Macintosh operating system allows Macintosh applications to print to PostScript-compatible devices in a consistent fashion. PostScript applications also exist for the

Apple IIGS system and for MS-DOS or OS/2 compatibles. If you are working with AT&T UNIX, you can use the TranScript® utility available from Adobe Systems to convert files to PostScript format for printing on the Personal LaserWriter NT.

When you require higher resolution or more pages per minute, or need to use larger or heavier paper stock than the Personal LaserWriter NT can handle, you can print your documents on any typesetter that has PostScript capability, without retyping the text or recreating the graphics.

### Using a Personal LaserWriter NT with MS-DOS or OS/2

There are two ways to print on a Personal LaserWriter NT from an MS-DOS or OS/2-compatible computer:

- *LocalTalk* Install a LocalTalk PC card in the MS-DOS computer, and connect the computer either directly to the printer, or into the printer's network.
- *RS-232-C port* Directly connect the computer via the RS-232-C (25-pin serial) port to the printer's RS-232-C port. This method allows for printing PostScript documents from an MS-DOS system, or non-PostScript documents through HP LaserJet Plus or Diablo 630 emulation.

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## System Requirements

To use the Personal LaserWriter NT, you'll need one of these systems:

- One or more Macintosh (minimum 512K of RAM) or Apple IIGS computers connected via the LocalTalk cabling system
- One or more Apple IIe computers equipped with an Apple II Workstation Card and connected via the LocalTalk cabling system
- An MS-DOS or OS/2 computer with a LocalTalk PC Card or an RS-232-C cable and appropriate software
- Any other computer with an RS-232-C cable and appropriate software

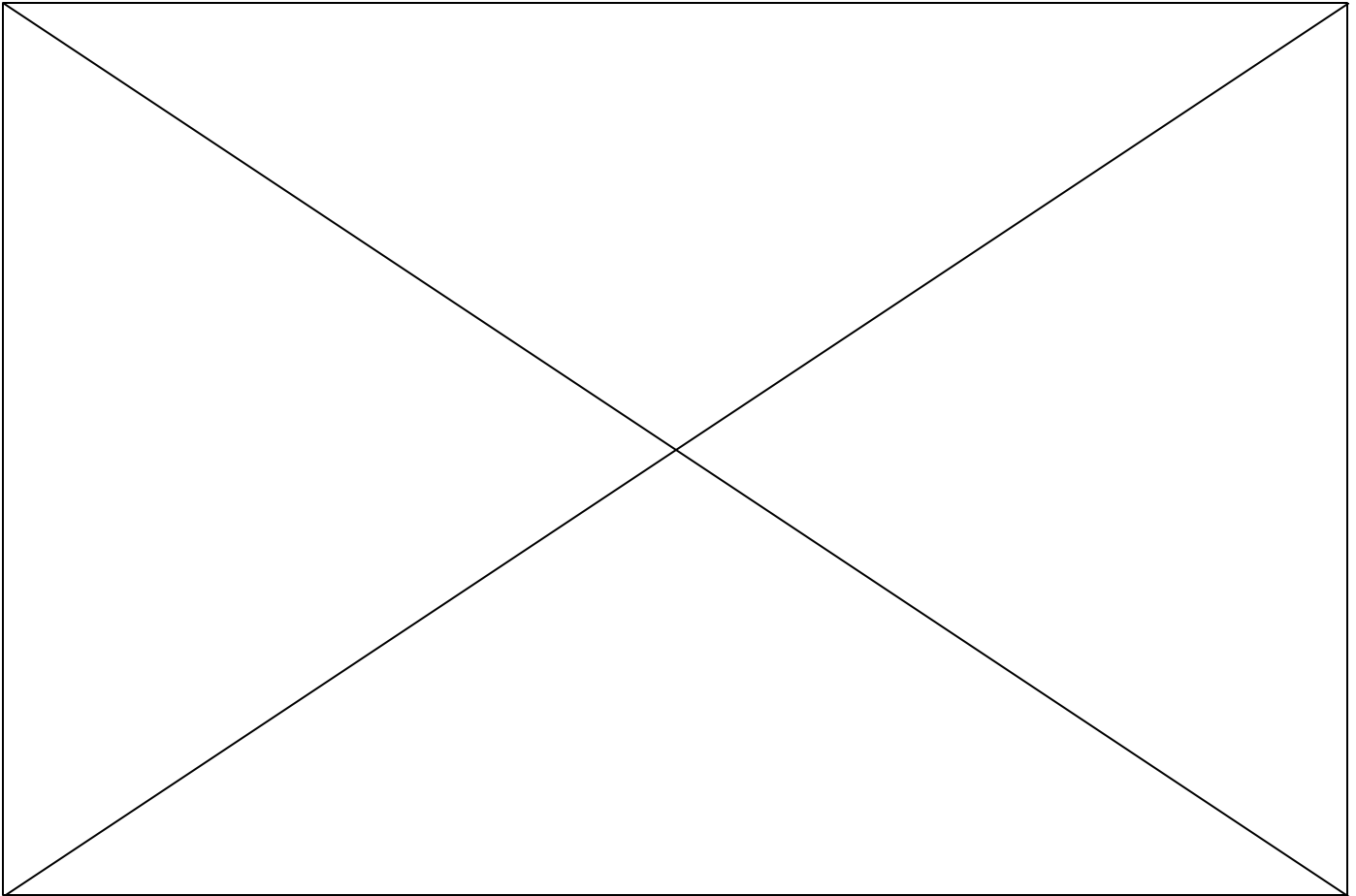
# Features

# Benefits

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· 300-dot-per-inch (dpi) resolution	· Produces excellent printed results--near-typeset quality text, graphics, and scanned images--for memos, reports, letters, and presentations.
· Motorola 68000 processor	· Supports printing of up to 4 pages per minute.
· Canon LBP-LX laser xerographic print engine	· Offers outstanding durability and nearly maintenance-free performance. · Provides a minimum performance life of 150,000 pages--equivalent to printing 100 pages a day, 5 days a week, 52 weeks a year, for more than 5 years.
· PostScript® support	· Offers virtually unlimited versatility in creating and manipulating text and graphics. · Lets you print documents from virtually all Macintosh applications, some Apple IIGS® programs, MS-DOS and OS/2 applications, and AT&T UNIX® programs (requires additional software).
· AppleTalk® Network System Interface	· Offers cost-effective printing by allowing access by multiple users. · Allows printing from a Macintosh, Apple IIGS, or an MS-DOS or OS/2 computer (using the LocalTalk PC card).
· HP LaserJet Plus and Diablo emulations	· Allows anyone whose computer supports an RS-232-C interface to print documents on the Personal LaserWriter NT in the same way they can print documents on HP LaserJet Plus and Diablo 630 printers.
· 37 built-in fonts	· Lets you print documents in virtually any type size and a wide range of styles.
· Support for different printing materials	· Lets you print on a variety of materials--including photocopy bond, letterhead, color stock, and overhead transparency film.
· Integral paper cassette	· Provides automatic feeding of up to 250 sheets of paper.
· Multipurpose tray	· Simplifies printing on different paper sizes, envelopes, or labels.
· Optional envelope cassette	· Lets you print on up to 15 envelopes automatically.
· Background printing	· With MultiFinder® software, allows you to continue work on your Macintosh computer while printing.

# *Personal LaserWriter NT*



## ***Overview***

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The Apple® Personal LaserWriter® NT printer offers individuals and small workgroups affordable, high-quality laser printing. It has the ability to produce a wide variety of documents--from letters and memos to full pages of sophisticated text and graphics that include scanned illustrations and photographs, page layouts, and presentations.

Featuring a compact, space-saving design, the Personal LaserWriter NT fits neatly into almost any office environment. It also has been designed with an integral paper cassette as well as a multipurpose tray that can handle different printing materials and paper sizes automatically.

A particular advantage of the Personal LaserWriter NT is its ability to operate in a network of both Macintosh® and MS-DOS computers. LocalTalk® networking capabilities are built into the LaserWriter NT, so connecting it to a single Macintosh or to a network simply involves plugging in the LocalTalk cable. MS-DOS computers also can easily print to the Personal LaserWriter NT. To print via LocalTalk, all that's needed is a LocalTalk PC peripheral card. The Personal LaserWriter NT printer also comes with an RS-232-C interface, which allows anyone whose computer supports this interface to use the Personal LaserWriter NT to print high-

quality PostScript® text and graphics--or print non-PostScript documents using HP LaserJet® Plus or Diablo® 630 printer emulation.

The Personal LaserWriter NT comes with 12 font families that can be printed in a virtually unlimited range of sizes and styles: ITC Avant Garde Gothic®, ITC Bookman®, Courier, Helvetica®, Helvetica Narrow, New Century Schoolbook, Palatino®, Symbol, Times®, ITC Zapf Chancery®, ITC Zapf Dingbats®, and IBM PC Graphics Extended Character Set (ECS). The printer also can support hundreds of other type fonts that are available from a variety of computer typography companies.