



# LaserWriter II NTX

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April 1989. Product specifications are subject to change without notice. Printed in U.S.A.  
M3008B

System Requirements	To use the Apple LaserWriter II NTX printer, you must have one of these systems:	<ul style="list-style-type: none"> <li>One or more Macintosh (minimum 512K of RAM) or Apple IIGS computers connected via the LocalTalk Cabling System.</li> <li>An MS-DOS or OS/2 computer with a LocalTalk PC Card or an RS-232-C cable and appropriate software.</li> </ul>	<ul style="list-style-type: none"> <li>Any other computer with an RS-232-C cable and appropriate software.</li> </ul>
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Technical Specifications	<p>Marking engine</p> <ul style="list-style-type: none"> <li>Canon LBP-SX laser xerographic</li> </ul> <p>Processor</p> <ul style="list-style-type: none"> <li>Motorola 68020 (16.67 megahertz clock speed)</li> </ul> <p>Memory</p> <ul style="list-style-type: none"> <li>1 megabyte ROM; 2 megabytes RAM</li> </ul> <p>Interfaces</p> <ul style="list-style-type: none"> <li>SCSI, AppleTalk, Apple Desktop Bus<sup>®</sup> (for future expansion), and RS-232-C ports</li> </ul> <p>Expansion capabilities</p> <ul style="list-style-type: none"> <li>ROM expansion via front expansion slot</li> <li>RAM expansion up to 12 megabytes</li> <li>External SCSI port for hard disk font storage</li> <li>Apple Desktop Bus for future expansion</li> </ul> <p>Print quality</p> <ul style="list-style-type: none"> <li>All text and graphics printed at 300 by 300 dots per inch, full page Built-in font families</li> </ul>	<ul style="list-style-type: none"> <li>Times, Helvetica, Courier, Symbol, ITC Avant Garde Gothic, ITC Bookman, New Century Schoolbook, Helvetica Narrow, Palatino, ITC Zapf Chancery, and ITC Zapf Dingbats</li> </ul> <p>Speed</p> <ul style="list-style-type: none"> <li>8 pages per minute maximum throughput (actual speed depends on images printed)</li> </ul> <p>Printing protocols</p> <ul style="list-style-type: none"> <li>PostScript, a subset of the Diablo 630 command set, and Hewlett-Packard LaserJet Plus emulation</li> </ul> <p>Print materials</p> <ul style="list-style-type: none"> <li>Letter, legal, A4, and B5 sizes, using 16- to 20-pound single-sheet photocopy bond, 8- to 34-pound letterhead and colored stock, or transparency overhead film. Envelopes, labels, and paper (up to 36 pound) supported via manual feed. Envelopes also supported via optional enveloper tray.</li> </ul> <p>Print capacities</p> <ul style="list-style-type: none"> <li>Paper cassettes hold 200 sheets of 20-pound paper.</li> <li>Envelope cassette holds 15 envelopes.</li> </ul>	<p>Printable surface</p> <ul style="list-style-type: none"> <li>Letter size: 8.0 by 10.5 inches; legal: 8.0 by 13.0 inches; A4: 7.41 by 10.86 inches; B5: 7.69 by 10.16 inches (actual printable area may vary depending on application)</li> </ul> <p>Size and weight</p> <ul style="list-style-type: none"> <li>Height: 8.6 in. (21.8 cm)</li> <li>Width: 20 in. (50.8 cm) With letter tray attached, 26.4 in. (67.1 cm)</li> <li>Depth: 18.5 in. (47 cm)</li> <li>Weight: 45 lb. (20.25 kg)</li> </ul> <p>Operating environment</p> <ul style="list-style-type: none"> <li>Temperature: 50° to 90° F (10° to 32° C)</li> <li>Humidity: 20 percent to 80 percent</li> </ul> <p>Power requirements</p> <ul style="list-style-type: none"> <li>90 to 126 volts AC; 50 to 60 hertz</li> </ul>
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Ordering Information	Apple LaserWriter II NTX Order No. M6215	With your order, you'll receive:	<ul style="list-style-type: none"> <li>Letter cassette</li> <li>Toner cartridge</li> <li>Owner's guide</li> <li>Limited warranty statement</li> </ul>
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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.

Virtually all software for the Apple Macintosh personal computer creates PostScript-compatible output files. There are also PostScript-compatible applications for the Apple II GS computer and for MS-DOS or OS/2 compatibles. If you are working with AT&T UNIX, you can use the TranScript utility from Adobe Systems to convert files to PostScript format for printing on the LaserWriter II NTX printer.

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

Using a LaserWriter II NTX with MS-DOS or OS/2

There are several ways to print on a LaserWriter II NTX from an MS-DOS or OS/2 compatible computer:

- *AppleTalk*. Adding a LocalTalk PC Card to an MS-DOS or OS/2 computer gives you access to all of the LaserWriter II NTX printer's text and graphics capabilities over the AppleTalk Network System.
- *PostScript-compatible software*. An increasing number of MS-DOS or OS/2 applications support the

PostScript page description language. You can print on the LaserWriter II NTX from these applications simply by connecting your computer to the printer's RS-232 port.

- *Other MS-DOS or OS/2 software*. You can also print documents on the LaserWriter II NTX from other MS-DOS or OS/2 applications via RS-232 connection using Diablo 630 emulation mode. (See the LaserWriter II NTX and LocalTalk PC Card user's guides for further details on these options.)

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## Upgrade Options

Your LaserWriter II NTX printer can be expanded in three ways:

- By installation of additional RAM for storage of downloadable fonts.
- By filling the font-expansion slot with a Font Expansion Card for additional high-speed ROM resident fonts.
- By adding as many as seven SCSI hard disks for greater capacity to store downloadable fonts.

# Features

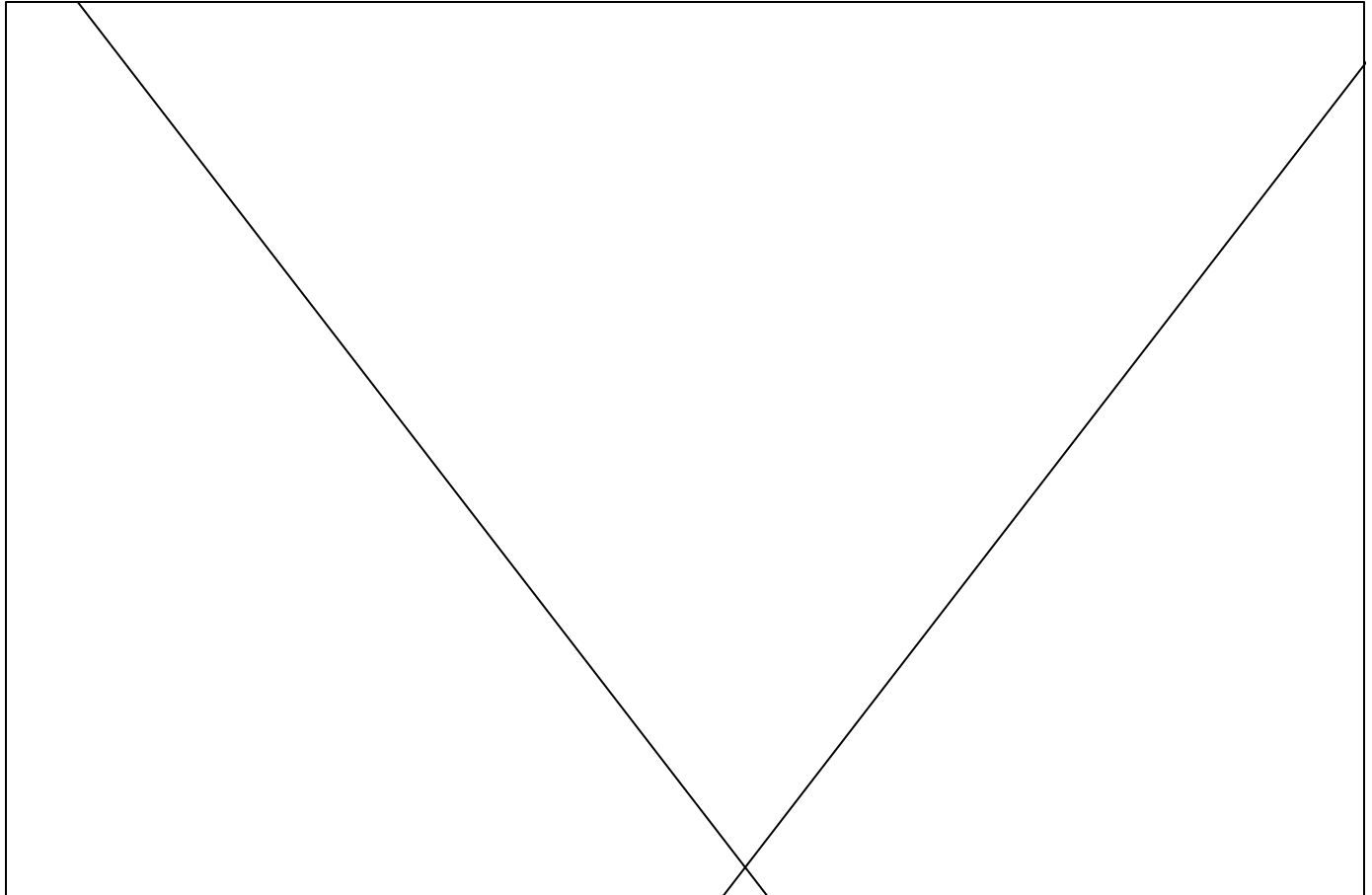
# Benefits

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| · AppleTalk® Network System interface | · Allows access by up to 31 users for cost effective printing.<br>· Allows printing from an Apple Macintosh (minimum 512K of RAM), an Apple II GS, or an MS-DOS or OS/2 computer (using the LocalTalk® PCCard). |
| · Background printing                 | · With the MultiFinder® software, allows you to continue work on your Macintosh system while printing.  |
| · Diablo 630 emulation                | · Allows nearly any computer with an RS-232 interface to connect directly and produce high-quality text output.   |
| · LaserJet Plus emulation             | · Offers compatibility with this widely used standard in MS-DOS and OS/2 environments.  |
| · LaserWriter II family print engine  | · Uses the second-generation engine common to all LaserWriter II models.  |
| · Versatile paper handling            | · Comes with a choice of face-down or face-up output trays.<br>· Offers adjustable manual feed for labels and envelopes.<br>· Features interchangeable paper trays for different paper sizes.                   |
| · Print-media versatility             | · Lets you print on almost any material—including standard photocopy paper, letterhead, labels, envelopes, and transparency film—for maximum flexibility in meeting your printing needs.                        |
| · Improved toner system               | · Offers darker blacks and longer life than previous LaserWriter cartridges.  |

# Features

# Benefits

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| <ul style="list-style-type: none"><li>· Full-page, high-resolution text and graphics</li></ul> | <ul style="list-style-type: none"><li>· Provides 300-dot-per-inch resolution over the entire page, for high-quality documents.</li></ul>  |
| <ul style="list-style-type: none"><li>· Motorola 68020 processor</li></ul>                     | <ul style="list-style-type: none"><li>· Allows state-of-the-art performance in printing text and graphics.</li><li>· Prints up to four times faster than previous LaserWriter printers.</li></ul>   |
| <ul style="list-style-type: none"><li>· 2 megabytes of RAM</li></ul>                           | <ul style="list-style-type: none"><li>· Improves performance when using multiple fonts.</li><li>· Provides flexibility for the addition of downloadable fonts.</li></ul>  |
| <ul style="list-style-type: none"><li>· Expandable up to 12 megabytes of RAM</li></ul>         | <ul style="list-style-type: none"><li>· Lets you customize the printer for heavy use of downloadable fonts.</li></ul>   |
| <ul style="list-style-type: none"><li>· Font-expansion slot</li></ul>                          | <ul style="list-style-type: none"><li>· Lets you add optional Font Expansion Card for additional high-speed ROM resident fonts.</li></ul>   |
| <ul style="list-style-type: none"><li>· External SCSI port</li></ul>                           | <ul style="list-style-type: none"><li>· Lets you add as many as seven optional SCSI hard disks to store downloadable fonts, which improves performance when printing fonts in multiple styles and sizes.</li></ul>  |
| <ul style="list-style-type: none"><li>· Wide selection of built-in fonts</li></ul>             | <ul style="list-style-type: none"><li>· Features 35 typefaces in an unlimited range of sizes and styles.</li></ul>  |
| <ul style="list-style-type: none"><li>· PostScript®-support</li></ul>                          | <ul style="list-style-type: none"><li>· Offers virtually unlimited versatility in creating and manipulating text and graphics.</li><li>· Works with any software that outputs PostScript-compatible files, including practically all Macintosh® computer applications, some Apple IGS® programs, some MS-DOS and OS/2 applications, and many AT&amp;T UNIX® programs (requires additional software).</li><li>· Provides an upgrade path for your documents; proof them on a LaserWriter II NTX printer, then output the final masters on a PostScript-compatible typesetter without rekeying.</li></ul> |



## Overview

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The Apple® LaserWriter® II NTX is a high-performance, expandable network laser printer for individuals and workgroups. Featuring the advanced Motorola 68020 processor, the LaserWriter II NTX prints significantly faster than previous LaserWriter printers. It also includes expansion options that enhance both performance and font capabilities in a variety of ways.

The LaserWriter II NTX offers unparalleled performance and flexibility for people who produce a high volume of printed materials or for people who need to produce documents containing sophisticated text and graphics. It can meet the most rigorous printing requirements of individuals or users linked through a network—from memos to proposals to overhead transparencies for presentations. And it can also handle the most advanced desktop publishing needs, including page layout, artwork, and illustration.

The LaserWriter II NTX features 11 font families (35 typefaces): Times®, Helvetica®, Courier, and Symbol, along with ITC Avant Garde Gothic, ITC Bookman®, New Century Schoolbook, Helvetica Narrow®, Palatino®, ITC Zapf Chancery®, and ITC Zapf Dingbats®.