



# Apple LaserWriter 12/640 PS Plus

## Features

### Convenient single-box, workgroup printing solution

- Provides an integrated duplex printing unit for professional-quality double-sided output<sup>1</sup>
- Includes a 250-sheet cassette and 80-sheet multipurpose tray, as well as an easy-to-assemble 500-sheet cassette and feeder to accommodate the needs of larger workgroups or to facilitate the handling of bulk jobs (830-sheet total capacity)
- Comes with 12MB of RAM to support high-performance paper-handling capabilities
- Offers easy, single-button installation of printing software and fonts from CD for Mac OS or Windows systems
- Supports additional easy-to-install (no tools required) printer options for even more flexible paper handling, including an envelope cassette that works with the 500-sheet feeder and a face-up output tray that minimizes paper curl

### Breakthrough print quality

- Offers 600- by 600-dpi resolution for sharp, clear printing
- Includes Apple's FinePrint and PhotoGrade<sup>1</sup> technologies for enhanced text and graphics quality
- Provides a choice of 65 scalable TrueType fonts for printing in any size and in a wide variety of styles

### High performance

- Prints at a fast 12 pages per minute
- Provides impressive performance through its powerful RISC processor—the 30-MHz AMD 29040

### Compatibility

- Features built-in, all-ports-active LocalTalk, Ethernet, and bidirectional parallel interfaces, so it's easy to share your printer with others—including users of PCs running Windows
- Includes the Adobe PostScript Level 2 and PCL 5 page-description languages for compatibility with your applications

The Apple LaserWriter 12/640 PS Plus is a high-quality monochrome laser printer that provides outstanding results—and incorporates impressive paper-handling capabilities, including duplex (double-sided) printing, and a 500-sheet cassette and feeder for workgroups or bulk printing needs. It's ideal for desktop publishing use, whether your organization is involved in business, government, or education. And its networking compatibility makes it a natural for small workgroups or organizational intranets of Mac OS, Windows 3.1, Windows 95, or Windows NT users.

Featuring an advanced laser printer engine, the Apple LaserWriter 12/640 PS Plus can handle up to 12 pages per minute, at an impressive 600 dots per inch. Its built-in FinePrint technology and support for PhotoGrade enable this printer to provide crisp, clear text and superior-quality gray-scale images. And the LaserWriter 12/640 PS Plus can print on a wide range of media.

Apple understands that large organizations have demanding paper-handling needs, so we de-

signed the LaserWriter 12/640 PS Plus to incorporate duplex printing unit, for quick, easy professional-quality double-sided output. In addition, this printer comes with a 250-sheet cassette and 80-sheet multipurpose tray, which, in conjunction with its 500-sheet cassette and feeder, provide an impressive 830-sheet total capacity. There are even two additional paper-handling options: a cassette, and a special face-up output tray (ideal for printing on transparencies, labels, postcards, envelopes, or heavier paper stocks because it reduces page curl).

Yet for all of its quality, performance, and flexibility, the LaserWriter 12/640 PS Plus remains an economical laser printing solution—made even more affordable by this printer's outstanding networking capability. It even comes with Adobe PostScript Level 2 and PCL 5—so no matter what type of computer and which applications you're using, if you choose the LaserWriter 12/640 PS Plus, you and your colleagues can start printing high-quality output immediately.



Adobe PostScript





# Apple LaserWriter 12/640 PS Plus

## Ordering Information

### Apple LaserWriter 12/640 PS Plus

Order No. M5540LL/A

- Apple LaserWriter 12/640 PS (with 12MB of RAM installed)
- Apple LaserWriter 12/640 PS Duplex Printing Unit<sup>2</sup>
- Apple LaserWriter 12/640 PS 500-Sheet Cassette and Feeder<sup>2</sup>
- LaserWriter 12/640 Accessory Kit, containing the following:
  - Printer software for the Mac OS and Windows on CD-ROM
  - Setup and user's guide
  - Power cord
- LaserWriter 12/640 PS Toner Cartridge

### LaserWriter 12/640 PS Envelope Cassette

Order No. M4680G/A



### LaserWriter 12/640 PS Face-up Output Tray

Order No. M4698G/A



### LaserWriter 12/640 PS Toner Cartridge

Order No. M4683G/A

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

## Technical Specifications

### Print engine and controller

- 30-MHz AMD 29040 RISC processor
- Engine life of 300,000 pages
- No monthly maximum duty cycle

### Print quality

- 600-dpi resolution
- FinePrint, Apple's resolution-enhancement technology
- PhotoGrade, Apple's graphic image-enhancement technology

### Memory

- 12MB of RAM installed
- Expandable to 64MB with industry-standard 72-pin SIMMs

### Interfaces

- LocalTalk port
- Bidirectional parallel port
- Ethernet port (supports EtherTalk, TCP/IP, and Novell NetWare IPX connections)

### Print speed

- 12 pages per minute maximum (actual speed varies depending on images printed and computer used)
- 8 pages per minute for duplex printing on letter-size paper

### Fonts

- 65 TrueType fonts

### Languages supported

- Adobe PostScript Level 2
- PCL 5

### Standard paper-handling capabilities

- 250-sheet built-in universal cassette
- 80-sheet multipurpose tray
- Duplex Printing Unit
- 500-Sheet Cassette and Feeder

### Paper-handling options

- Envelope Cassette (requires 500-Sheet Cassette and Feeder)
- Face-up Output Tray

### Print materials

- 16- to 50-lb. weight
- Paper: U.S. letter, U.S. legal, A4, A5, B5, C5, executive, Com-10, Monarch, DL, and postcard
- Most letterhead and colored stock, labels, and envelopes
- Medium-weight photocopier transparencies

### Power requirements

- U.S./Japan: 100 to 115 V, 50 to 60 Hz
- Europe/Australia: 220 to 240 V, 50 Hz

### Power consumption

- Operating mode: 120 W average
- Standby mode: <25 W

### Environmental requirements

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

### Size and weight

- Height: 29.75 in. (75.6 cm)
- Width: 20.56 in. (52.2 cm)
- Depth: 32.4 in. (82.3 cm)
- Weight: 85 lb. (38.2 kg)

### System requirements

- For the Mac OS, an Apple Macintosh, Power Macintosh, PowerBook, or other Mac OS-based personal computer with Macintosh system software version 7.1 or later, 8MB of RAM, a CD-ROM drive<sup>3</sup>, and a hard disk drive with 5MB of available space (for printer software and fonts)
- For Microsoft Windows 95, an IBM or IBM-compatible personal computer with an 80486 processor or later, 8MB of RAM, and a CD-ROM drive<sup>3</sup>
- For Microsoft Windows 3.11, an IBM or IBM-compatible personal computer with an 80386 processor or later, MS-DOS version 3.3 or later (version 5.0 or later recommended), 4MB of RAM, and a CD-ROM drive<sup>3</sup>

(Note: This printer can also be used with a system running MS-DOS without Windows.)

## Recommended Memory Configuration

Printer RAM (Memory)	Enabling Technologies	Paper-Handling
At 12MB (Standard)	FinePrint (Standard) PhotoGrade <sup>1</sup> (Standard)	<b>Standard:</b> <ul style="list-style-type: none"> <li>• 250-Sheet Cassette</li> <li>• 80-Sheet Multipurpose Tray</li> <li>• 500-Sheet Cassette and Feeder</li> <li>• Duplex Printing Unit</li> </ul> <b>Options:</b> <ul style="list-style-type: none"> <li>• Envelope Cassette</li> <li>• Face-up Output Tray</li> </ul>
Additional 16MB (24MB total)	Gives you simultaneous use of PhotoGrade technology and duplex printing on supported paper sizes	

<sup>1</sup> Requires minimum 24MB of RAM for simultaneous use of duplex printing and PhotoGrade technology on supported paper sizes

<sup>2</sup> Some assembly required; no tools or special skills needed.

<sup>3</sup> For systems without a CD-ROM drive, high-density 3.5-inch floppy disks containing the printing software are available on request

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