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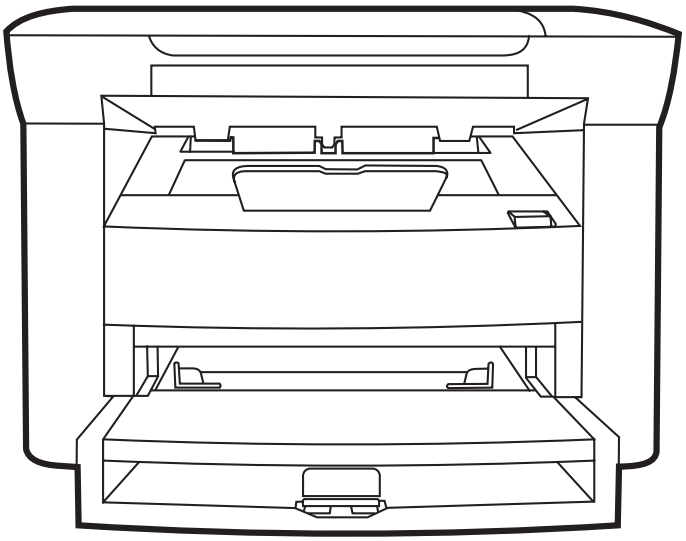
HP LaserJet M1120 MFP Series

Service Manual



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HP LaserJet M1120 MFP Series
Service Manual

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1 Product information

- Quick access to product information
- Product comparison
- Product features
- Product walkaround
- Software description
- Software for Windows
- Software for Macintosh
- Uninstall software
- Media specifications

Quick access to product information

Use the following Web site to find information about the product.

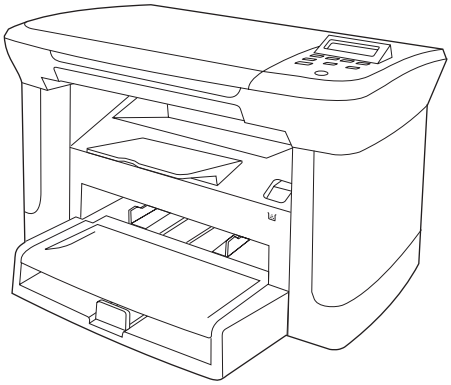
- www.hp.com/support/LJM1120

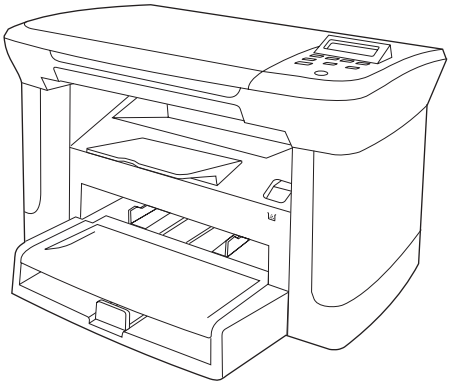
Table 1-1 Product guides

Guide	Description
HP LaserJet M1120 MFP Getting Started Guide	Provides step-by-step instructions for installing and setting up the product.
HP LaserJet M1120 MFP Series User Guide	Provides detailed information for using the product and problem-solving. Available on the product CD or in **Program Group** if the software is installed on a computer.
Online Help	Provides information about options that are available in the printer drivers. To view a Help file, open the online Help through the printer driver.

Product comparison

The product is available in the following configurations.





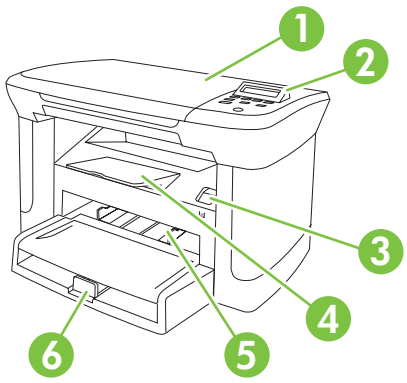
Base models	Network models
• Print letter-size pages at speeds up to 20 pages per minute (ppm) and A4-size pages at speeds up to 19 ppm. • Priority input tray holds up to 10 sheets of print media. • Tray 1 holds up to 250 sheets of print media or 10 envelopes. • Manual two-sided (duplex) printing and copying. • Hi-Speed USB 2.0 port. • 32-megabyte (MB) random-access memory (RAM). • Flatbed scanner.	Base model, plus: • 10/100 Base-T Ethernet network port. • IPv4 network protocol. • IPv6 network protocol.

Product features

Print	• Prints letter-size pages at speeds up to 20 ppm and A4-size pages at speeds up to 19 ppm. • Prints at 600 dots per inch (dpi) and FastRes 1200 dpi. • Includes adjustable settings to optimize print quality.
Copy	• Copies at 300 dots per inch (dpi).
Memory	• Includes 32 MB RAM.
Paper handling	• Priority input tray holds up to 10 pages. • Tray 1 holds up to 250 sheets of print media or 10 envelopes. • Output bin holds up to 100 sheets of print media.
Scan	• Provides 1200 pixels per inch (ppi) full-color scanning.
Printer driver features	• FastRes 1200 produces 1200-dots-per-inch (dpi) print quality for fast, high-quality printing of business text and graphics.
Interface connections	• All models include a Hi-Speed USB 2.0 port. • Network models include a 10/100 Base-T Ethernet network port.
Economical printing	• Provides N-up printing (printing more than one page on a sheet). • Provides an EconoMode setting, which uses less toner.
Supplies	• Uses a print cartridge that has a no-shake design. • The product ships with a 1,000-page (average yield) starter cartridge. The average yield for replacement cartridges is 2,000 pages.
Accessibility	• Online user guide is compatible with text screen-readers. • Print cartridges can be installed and removed by using one hand. • All doors and covers can be opened by using one hand.

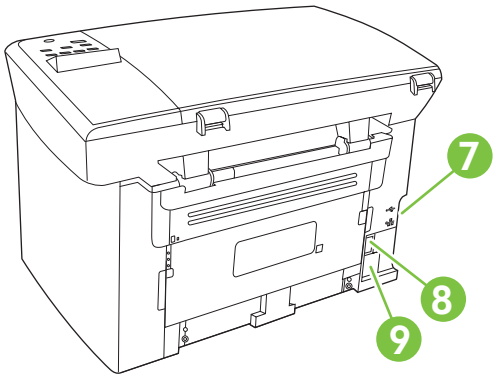
Product walkaround

Front view



1	Scanner lid
2	Control panel
3	Print-cartridge door latch
4	Output bin
5	Priority input tray
6	Tray 1

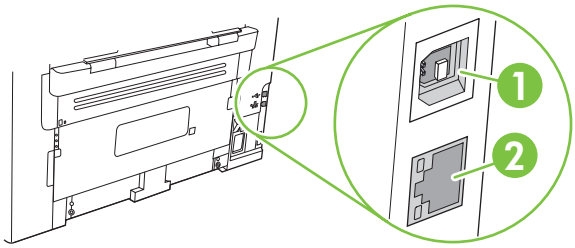
Back view



7	Interface ports
8	Power switch
9	Power connector

Interface ports

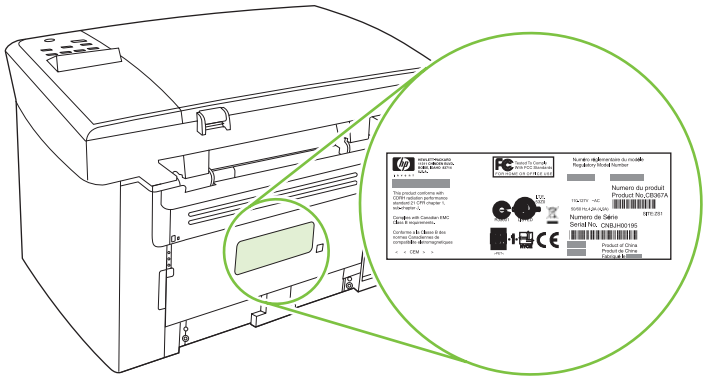
All models have a Hi-Speed USB 2.0 port, and network models also have a 10/100 Base-T Ethernet port.



1	Hi-Speed USB 2.0 port
2	Ethernet port (network models only)

Serial number and model number location

The serial number and product model number label is on the rear of the product.



Software description

Supported operating systems

The product supports the following operating systems:

Full software installation

- Windows XP (32-bit)
- Windows Vista (32-bit)
- Windows 2000
- Windows 2003 Server (32-bit)
- Mac OS X v10.3, v10.4, and later

Print and scan drivers only

- Windows XP (64-bit)
- Windows Vista (64-bit)
- Windows 2003 Server (64-bit)

NOTE: For Mac OS X v10.4 and later, PPC and Intel Core Processor Macs are supported.

Supported printer drivers

The product comes with software for Windows and Macintosh that allows the computer to communicate with the product. This software is called a printer driver. Printer drivers provide access to product features, such as printing on custom-sized paper, resizing documents, and inserting watermarks.

NOTE: The most recent drivers are available at www.hp.com/support/LJM1120. Depending on the configuration of Windows-based computers, the installation program for the product software automatically checks the computer for Internet access in order to obtain the latest drivers.

Software included with the product

There are several options for completing a recommended install. Easy installation will complete the installation with default settings. Advanced installation allows you to review the license agreements and the default settings.

Easy installation for Windows

- HP drivers
  - Printer driver
  - Scan driver
- HP MFP software
  - HP LaserJet Scan program
  - Uninstall program
- HP Update program
- HP Customer Participation program

- Shop for HP Supplies program
- Other programs
    - Readiris OCR (not installed with other software; separate installation is required)

Advanced installation

Advanced installation includes all of the features that are available with the easy installation. The HP Customer Participation program is optional.

Macintosh software

- HP Product Setup Assistant
- HP Uninstaller
- HP LaserJet software
    - HP Scan
    - HP Director
    - Scan to e-mail program
    - HP Photosmart

Software for Windows

Embedded Web server (network models only)

Network models are equipped with an embedded Web server, which provides access to information about device and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Netscape Navigator, Apple Safari, or Firefox.

The embedded Web server resides on the device. It is not loaded on a network server.

The embedded Web server provides an interface to the device that anyone who has a network-connected computer and a standard Web browser can use. No special software is installed or configured, but you must have a supported Web browser on your computer. To gain access to the embedded Web server, type the IP address for the device in the address line of the browser. (To find the IP address, print a configuration page.)

Status Alerts software

The Status Alerts software provides information about the current status of the product.

The software also provides pop-up alerts when certain events occur, such as an empty tray or a problem with the product. The alert includes information about solving the problem.

Other Windows components and utilities

- Software installer — automates the printing system installation
- Online Web registration

Software for Macintosh

Embedded Web server (network models only)

Network models are equipped with an embedded Web server, which provides access to information about device and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Netscape Navigator, Apple Safari, or Firefox.

The embedded Web server resides on the device. It is not loaded on a network server.

The embedded Web server provides an interface to the device that anyone who has a network-connected computer and a standard Web browser can use. No special software is installed or configured, but you must have a supported Web browser on your computer. To gain access to the embedded Web server, type the IP address for the device in the address line of the browser. (To find the IP address, print a configuration page.)

HP Director

HP Director is a software program for working with documents. HP Director appears on the computer screen to initiate scanning, or to change settings on the product through Macintosh Configure Device.

Also included is the HP product Setup Assistant, which sets up the print queue.

Uninstall software

Windows

1. Click **Start**, and then click **All Programs**.
2. Click **HP**, and then click **HP LaserJet M1120**.
3. Click **Uninstall**, and then follow the onscreen instructions to remove the software.

Macintosh

To remove the software, drag the PPD files to the trash can.

Media specifications

Supported paper and print media sizes

This product supports a number of paper sizes, and it adapts to various media.

NOTE: To obtain best print results, select the appropriate paper size and type in the print driver before printing.

Table 1-2 Supported paper and print media sizes

Size	Dimensions	Priority input tray	Tray 1
Letter	216 x 279 mm (8.5 x 11 in)	✔	✔
Legal	216 x 356 mm (8.5 x 14 in)	✔	✔
A4	210 x 297 mm (8.27 x 11.69 in)	✔	✔
Executive	184 x 267 mm (7.24 x 10.51 in)	✔	✔
A3	297 x 420 mm (11.69 x 16.54 in)		
A5	148 x 210 mm (5.83 x 8.27 in)	✔	✔
A6	105 x 148 mm (4.13 x 5.83 in)	✔	✔
B5 (JIS)	182 x 257 mm (7.17 x 10.12 in)	✔	✔
16k	197 x 273 mm (7.75 x 10.75 in)	✔	✔
16k	195 x 270 mm (7.7 x 10.6 in)	✔	✔
16k	184 x 260 mm (7.25 x 10.25 in)	✔	✔
8.5 x 13	216 x 330 mm (8.5 x 13 in)	✔	✔
4 x 6[1]	107 x 152 mm (4 x 6 in)	✔	✔
5 x 8[1]	127 x 203 mm (5 x 8 in)	✔	✔
10 x 15 cm[1]	100 x 150 mm (3.9 x 5.9 in)	✔	✔
Custom	**Priority input tray**: Minimum—76 x 127 mm (3 x 5 in); Maximum—216 x 356 mm (8.5 x 14 in)	✔	✔

[1] These sizes are supported as custom sizes.

Table 1-3 Supported envelopes and postcards

Size	Dimensions	Priority input tray	Tray 1
Envelope #10	105 x 241 mm (4.13 x 9.49 in)	✔	✔
Envelope DL	110 x 220 mm (4.33 x 8.66 in)	✔	✔

Table 1-3 Supported envelopes and postcards (continued)

Size	Dimensions	Priority input tray	Tray 1
Envelope C5	162 x 229 mm (6.93 x 9.84 in)	✔	✔
Envelope B5	176 x 250 mm (6.7 x 9.8 in)	✔	✔
Envelope Monarch	98 x 191 mm (3.9 x 7.5 in)	✔	✔
Postcard	100 x 148 mm (3.94 x 5.83 in)	✔	✔
Double postcard	148 x 200 mm (5.83 x 7.87 in)	✔	✔

Supported paper types and tray capacity

This product has the following tray priority for feeding print media:

1. Priority input tray
2. Tray 1

Minimum media dimensions are 76 x 127 mm (3 x 5 in).

Maximum media dimensions are 216 x 356 mm (8.5 x 14 in).

To obtain the best print results, change the paper size and paper type settings in the printer driver before printing.

Table 1-4 Supported paper types and tray capacity

Type is	Media specifications	Priority input tray	Tray 1 capacity[1]
Plain Color Preprinted Prepunched Recycled	75 g/m² (20 lb) to 104 g/m² (27 lb)	Up to 10 sheets	Up to 250 sheets
Light	60 g/m² (16 lb) to 75 g/m² (20 lb)	Up to 10 sheets	Up to 260 sheets
Envelopes	Less than 90 g/m² (24 lb)	1 envelope	Up to 10 envelopes.
Labels	Standard	1 sheet	Not supported.
Bond	75 g/m² (20 lb) to 104 g/m² (27 lb)	1 sheet	Up to 250 sheets
Rough	75 g/m² (20 lb) to 104 g/m² (27 lb)	1 sheet	Up to 200 sheets
Transparencies	4 mm (0.1 in) Monochrome Overhead	1 sheet	Up to 200 sheets.
Heavy	110 g/m² (29 lb) to 125 g/m² (33 lb)	Up to 10 sheets	Not supported.
Letterhead	75 g/m² (20 lb) to 104 g/m² (27 lb)	Up to 10 sheets	Up to 250 sheets

[1] The maximum stack height for tray 1 is 25 mm (1 inch).

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