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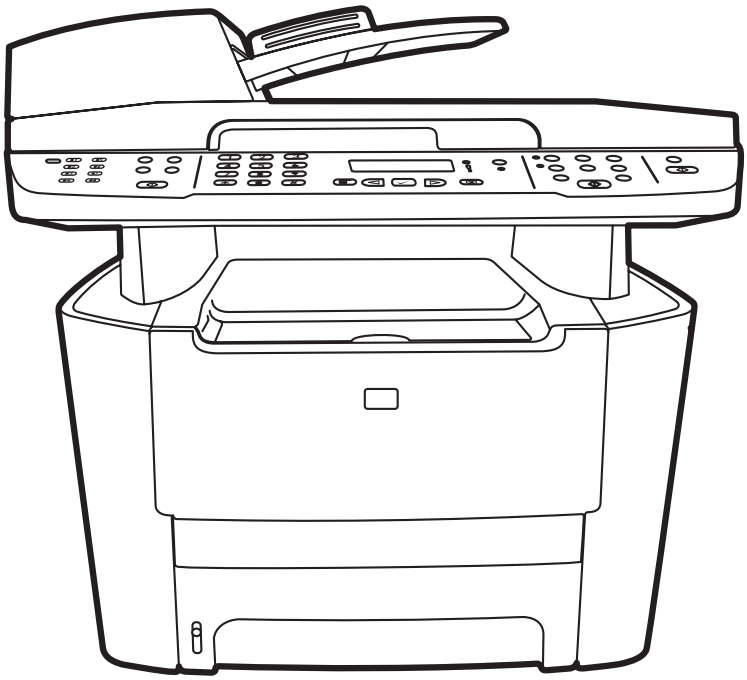
HP LaserJet M2727 MFP Series

Service Manual



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HP LaserJet M2727 MFP Series
Service Manual

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Part number CB532-90946

Edition 1, 11/2007

Safety information

WARNING!

Potential Shock Hazard

Always follow basic safety precautions when using the product to reduce risk of injury from fire or electric shock.

Read and understand all instructions in the user guide.

Observe all warnings and instructions marked on the product.

Use only a grounded electrical outlet when connecting the product to a power source. If you do not know whether the outlet is grounded, check with a qualified electrician.

Do not touch the contacts on the end of any of the sockets on the product. Replace damaged cords immediately.

Unplug the product from wall outlets before cleaning.

Do not install or use the product near water or when you are wet.

Install the product securely on a stable surface.

Install the product in a protected location where no one can step on or trip over the power cord and where the power cord will not be damaged.

If the product does not operate normally, see the online user guide.

Refer all servicing questions to qualified personnel.

Information regarding FCC Class B, Parts 15 and 68 requirements can be found in the user guide.

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1 Product information

- Quick access to product information
- Product comparison
- Product features
- Product walkaround
- Serial number and model number location
- 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.

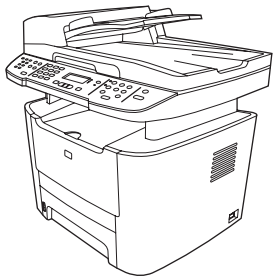
- www.hp.com/support/LJM2727

Table 1-1 Product guides

Guide	Description
HP LaserJet M2727 MFP Getting Started Guide	Provides step-by-step instructions for installing and setting up the product.
HP LaserJet M2727 MFP Series User Guide	Provides detailed information for using the product and problem-solving. Available on the product CD or in the Windows **Program Group** if the software is installed on a computer.
HP ToolboxFX	To check the product status and settings, and to view problem-solving information and online documentation, use the HP ToolboxFX. You must have performed a complete software installation in order to use the HP ToolboxFX. See the user guide for more information about software installation.
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.

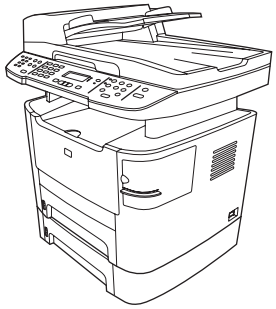
Product comparison

The product is available in the following configurations.



HP LaserJet M2727nf MFP

- Prints letter-size pages at speeds up to 27 pages per minute (ppm) and A4-size pages at speeds up to 26 ppm.
- PCL 5 and PCL 6 printer drivers and HP postscript level 3 emulation.
- Tray 1 holds up to 50 sheets of print media or up to 5 envelopes.
- Tray 2 holds up to 250 sheets of print media.
- Optional 250-sheet input tray (tray 3) available.
- Automatic two-sided (duplex) printing, fax receiving, and copying.
- Average yield for the standard black print cartridge is 3,500 pages, in accordance with ISO/IEC 19752. Actual yield depends on specific use.
- Average yield for the high-capacity print cartridge is 7,000 pages, in accordance with ISO/IEC 19752. Actual yield depends on specific use.
- Hi-Speed USB 2.0 port and 10/100 Base-T network port.
- V.34 fax modem and 8-megabyte (MB) flash fax-storage memory.
- Two RJ-11 fax phone line ports.
- 64-MB random-access memory (RAM).
- Flatbed scanner and 50-page automatic document feeder (ADF).
- One available DIMM slot for memory expansion (up to 320 MB).



HP LaserJet M2727nfs MFP

HP LaserJet M2727nf MFP, plus:

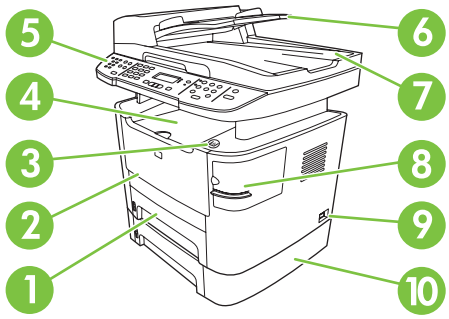
- Additional 250-sheet input tray (tray 3) included.
- Convenience stapler.

Product features

Performance	• Prints up to 27 ppm (letter) or 26 ppm (A4).
Print quality	• 1,200 dots per inch (dpi) with Image REt 2400 text and graphics. • Adjustable settings to optimize print quality. • The HP UltraPrecise print cartridge has a finer toner formulation that provides sharper text and graphics.
Fax	• Full-functionality fax capabilities with a V.34 fax; includes a phone book, fax/tel, and delayed-fax features.
Copy	• Includes ADF that allows faster, more efficient copy jobs with multiple-page documents.
Scan	• The product provides 1,200 pixels per inch (ppi), 24-bit full-color scanning from letter/A4-size scanner glass. • The product provides 300 ppi, 24-bit full-color scanning from the automatic document feeder (ADF). • Includes an ADF that allows faster, more efficient scan jobs with multiple-page documents.
Staple	• The HP LaserJet M2727nfs includes a convenience stapler for fast and convenient stapling of up to 20 sheets of 80 g/m^2 or 20 lb media at the product. • Large-capacity replaceable staple cassette holds 1,500 staples.
Networking	• TCP/IP ◦ IPv4 ◦ IPv6
Printer driver features	• Fast printing performance, built-in Intellifont and TrueType scaling technologies, and advanced imaging capabilities are benefits of the PCL 6 printer language.
Interface connections	• Hi-Speed USB 2.0 port. • 10/100 Base-T ethernet network port (RJ-45). • RJ-11 fax/phone cable ports.
Economical printing	• N-up printing (printing more than one page on a sheet). • Two-sided printing using the automatic duplexer. • EconoMode setting.
Supplies	• A supplies status page that displays the amount of life remaining in the print cartridge. • No-shake cartridge design. • Authentication for HP print cartridges. • Enabled supplies-ordering capability.
Accessibility	• Online user guide that is compatible with text screen-readers. • Print cartridges can be installed and removed using one hand. • All doors and covers can be opened using one hand.

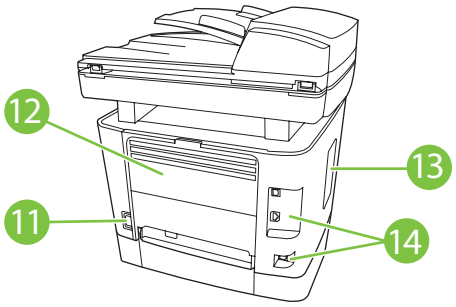
Product walkaround

Front view



1	Tray 2
2	Tray 1
3	Print-cartridge door latch
4	Top (face-down) output bin
5	Control panel
6	Automatic document feeder (ADF) input tray
7	Automatic document feeder (ADF) output bin
8	Convenience stapler (HP LaserJet M2727nfs only)
9	Power switch
10	Optional tray 3 (standard on the HP LaserJet M2727nfs MFP)

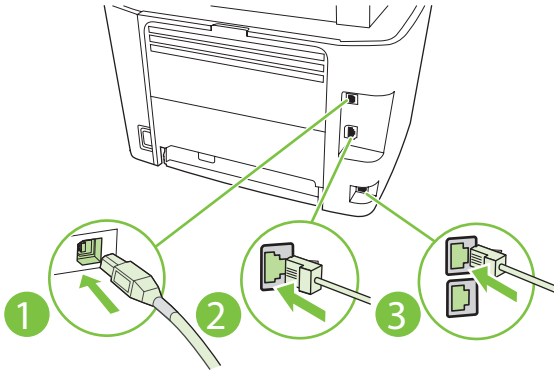
Back view



11	Power connector
12	Rear output door (face-up output bin for the straight-through output path)
13	DIMM door
14	Interface ports

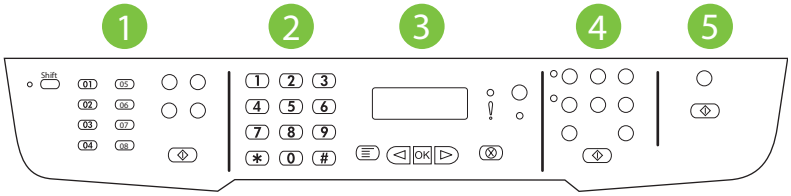
Interface ports

The product has a 10/100 Base-T (RJ-45) network port, a Hi-Speed USB 2.0 port, and fax ports.



1	Hi-Speed USB 2.0 port
2	Network port
3	Fax ports

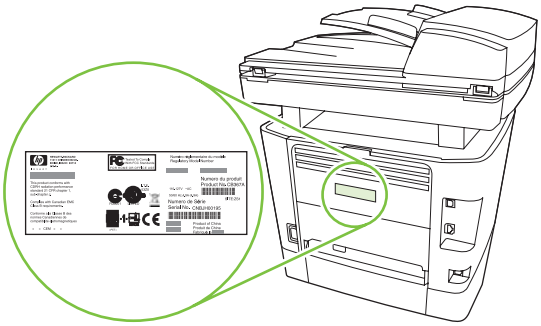
Control panel



1	**Fax controls.** Use the fax controls to change commonly used fax settings.
2	**Alphanumeric buttons.** Use the alphanumeric buttons to type data into the product control-panel display and dial telephone numbers for faxing.
3	**Setup and cancel controls.** Use these controls to select menu options, determine the product status, and cancel the current job.
4	**Copy controls.** Use these controls to change commonly used default settings and to start copying.
5	**Scan controls.** Use these controls to scan to e-mail or to a folder.

Serial number and model number location

The serial number and product model number label is on the rear output bin door at the back of the product.



Software description

Supported operating systems

The product supports the following operating systems:

Full software installation

- Windows XP (32-bit and 64-bit)
- Windows Vista (32-bit and 64-bit)
- Mac OS X v10.3, v10.4, and later

Print and scan driver

- Windows 98
- Windows 2000
- Windows 2003 Server (32-bit and 64-bit)

Printer driver only

- Linux (Web only)
- UNIX model scripts (Web only)

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

Supported printer drivers

The following printer drivers are provided. If the printer driver you want is not on the product CD or is not available on www.hp.com, contact the manufacturer or distributor of the program that you are using, and request a driver for the product.

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

Table 1-2 Supported printer drivers

Operating system[1]	Fax driver	PCL 6 printer driver	PCL 5 printer driver	PS printer driver	PPD[2] printer driver
Microsoft Windows 98		X	X	X	
Microsoft Millennium Edition (Me)		X	X	X	
Windows 2000	X	X	X	X	
Windows XP	X	X	X	X	
Windows Server 2003		X	X	X	
Mac OS X v10.3, v10.4, and later	X			X	X

[1] Not all product features are available from all drivers or operating systems. See the context-sensitive help in the printer driver for available features.

[2] A Macintosh printer driver and the necessary PostScript (PS) Printer Description Files (PPDs) are included with the product.

Software included with the product

There are several options for completing a recommended installation. Easy Install will complete the installation with default settings. Advanced Install allows you to select custom settings and choose the components that are installed.

Recommended installation for Windows

- HP drivers
  - PCL 6 printer driver
  - Scan driver
- HP MFP software
  - HP ToolboxFX
  - HP LaserJet Scan program
  - HP Send Fax program and driver
  - HP Fax Setup Wizard
  - 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)

Express installation (USB or network)

The following software is included with an Express installation:

- PCL 6 printer driver
- HP LaserJet Scan program and driver

NOTE: Express installation supports faxing by using the control panel.

NOTE: PCL 5 and HP postscript level 3 emulation drivers can be installed using the Microsoft Add Printer wizard.

Macintosh software

- HP Product Setup Assistant
- HP Device Configuration
- HP Uninstaller
- HP LaserJet software
  - HP Scan
  - HP Director
  - Fax program

- Scan to e-mail program
- HP Photosmart

Product: 2007 HP LaserJet M2727 MFP Series Printer Service Repair Workshop Manual
Full Download: https://www.arepairmanual.com/downloads/2007-hp-laserjet-m2727-mfp-series-printer-service-repair-workshop-manual/

Software for Windows

When you install the software for Windows, you can directly connect the product to a computer by using a USB cable, or you can connect the product to a network by using the internal print server. See the getting started guide for installation instructions, and see the Readme file for the latest software information.

HP ToolboxFX

Perform a typical installation in order to use HP ToolboxFX.

HP ToolboxFX provides links to product status information and Help information, such as the user guide, and tools for product problem-solving. See HP ToolboxFX on page 58.

Embedded Web server (EWS)

The EWS is a Web-based interface that provides simple access to product status and configurations, including network configurations and Smart Printing Supplies (SPS) functionality.

You can gain access to the EWS through the network connection to the product. Type the product IP address in a Web browser to open the product EWS home page in the browser. From the home page, you can use the tabs and left navigation menu to check the status of the product, configure the product, or check the status of the supplies.

The following are supported browsers:

- Internet Explorer 5.0 or later
- Netscape Navigator 4.75 or later
- Opera 6.05 or later
- Safari 1.2 or later

Sample of manual. Download All 370 pages at:
https://www.arepairmanual.com/downloads/2007-hp-laserjet-m2727-mfp-series-printer-service-repair-workshop-manual/