

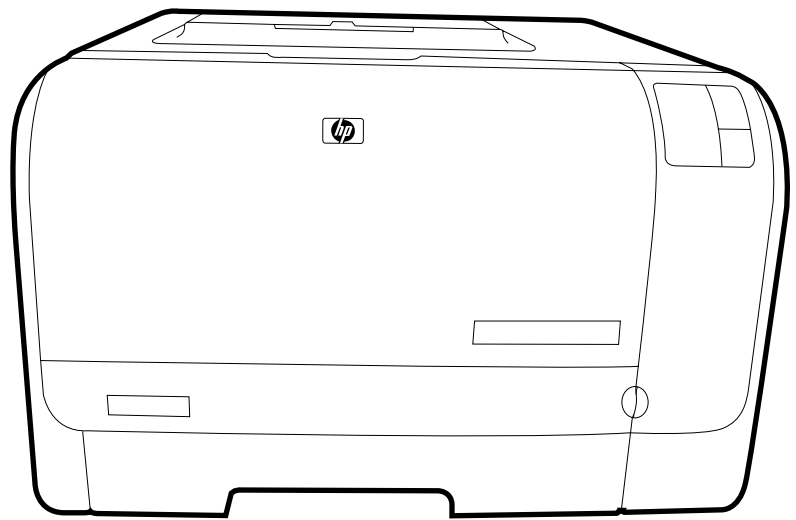
HP Color LaserJet CP1210 and CP1510 Series Printers Service Manual

Product: 2008 HP Color LaserJet CP1210/CP1510 Series Printer Service Repair Workshop Manual

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HP Color LaserJet CP1210 and
HP Color LaserJet CP1510 Series Printers
Service Manual



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Part number CC378-90983

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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 basics

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- [Supported operating systems](#)
- [Supported product software](#)
- [System requirements](#)
- [Connectivity \(HP Color LaserJet CP1510 Series Printer only\)](#)

Quick access to product information

Use the following Web sites to find information about the product:

- www.hp.com/support/ljcp1210series or www.hp.com/support/ljcp1510series

Table 1-1 Product guides

Guide	Description
Getting Started Guide	Provides step-by-step instructions for installing and setting up the product.
User Guide	Provides detailed information for using the product and for problem solving. Available on the product CD or in Program Group if the software is installed on a computer.
HP Color LaserJet CP1210 Series Toolbox	To check the product status and settings, and to view problem solving information and online documentation, use HP Color LaserJet CP1210 Series Toolbox. You must have performed a recommended software installation in order to use HP Color LaserJet CP1210 Series Toolbox. See the user guide for more information about software installation.
HP ToolboxFX (HP Color LaserJet CP1510 Series Printer)	To check the product status and settings, and to view problem solving information and online documentation, use HP ToolboxFX. You must have performed a recommended software installation in order to use 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

HP Color LaserJet CP1210 Series Printer	HP Color LaserJet CP1510 Series Printer
- Prints up to 12 pages per minute (ppm) on letter-size media or A4-size media in monochrome (black and white), and 8 ppm in color 150-sheet input tray (Tray 1) - Hi-Speed universal serial bus (USB) 2.0 port	- Prints up to 12 ppm on letter-size media or A4-size media in monochrome (black and white), and 8 ppm in color - Single-sheet priority feed slot (Tray 1) and 150-sheet input tray (Tray 2) - Hi-Speed universal serial bus (USB) 2.0 port - Built-in networking to connect to 10Base-T/100Base-TX networks - Photo imaging model only - Photo memory card slots - PictBridge slot

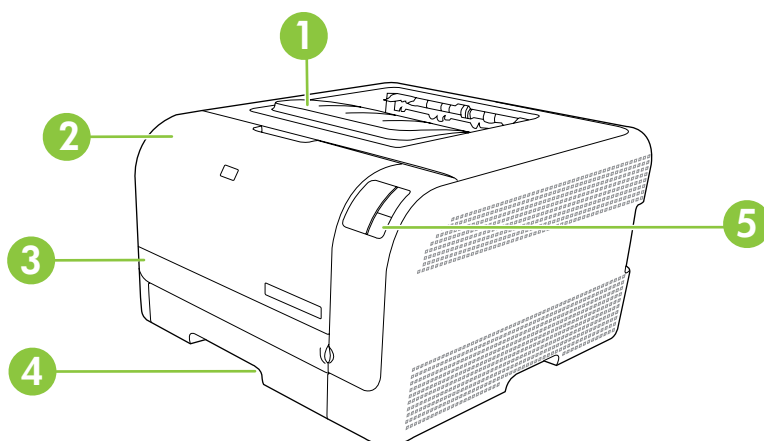
Product features

	HP Color LaserJet CP1210 Series Printer	HP Color LaserJet CP1510 Series Printer
Print	- Prints letter-size and A4-size pages at speeds up to 8 pages per minute (ppm) in color and 12 ppm in black and white. - Prints at 600 dots per inch (dpi). - Includes adjustable settings to optimize print quality. - The print cartridges use HP ColorSphere toner. For information about the number of pages the cartridges can print, see www.hp.com/go/pageyield. Actual yield depends on specific use.	
Memory	Includes 16 megabytes (MB) of random-access memory (RAM).	Includes 96 MB of RAM.
Supported operating systems	- Windows® 2000 - Windows XP® Home/Professional - Windows Server 2003 (32-bit only) - Windows Vista®	- Windows 2000 - Windows XP Home/Professional - Windows Server 2003 (32-bit only) - Windows Vista - Mac OS X V10.2.8 and later
Paper handling	- Tray 1 holds up to 150 sheets of print media or 10 envelopes. - Output bin holds up to 125 sheets of print media.	- Tray 1 single-sheet priority feed slot. - Tray 2 holds up to 150 sheets of print media or 10 envelopes. - Output bin holds up to 125 sheets of print media.
Printer driver features	ImageREt 2400 produces 2400-dpi print quality for fast, high-quality printing of business text and graphics.	ImageREt 3600 produces 3600 dpi print quality for fast, high-quality printing of business text and graphics.
Interface connections	Includes a Hi-Speed USB 2.0 port.	- Includes a Hi-Speed USB 2.0 port. - Built-in networking to connect to 10Base-T/100Base-TX networks.

Environmental features	● To determine the ENERGY STAR® qualification status for this product, see the Product Data Sheet or Specifications Sheet.
Economical printing	● Provides N-up printing (printing more than one page on a sheet). ● The printer driver provides the option to manually print on both sides.
Supplies	● Uses a print cartridge that has a no-shake design. ● Uses print cartridges with HP ColorSphere toner.
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.
PictBridge USB port (HP Color LaserJet CP1510ni only)	(Not applicable) ● Enables direct connection of a compatible camera or camcorder to the product for direct printing of recorded images.
Memory card slots (HP Color LaserJet CP1510ni only)	(Not applicable) The following memory cards are supported: ● CompactFlash (CF) Type 1 and Type 2 ● Memory Stick, Memory Stick PRO, and Memory Stick Duo ● MultiMedia Card (MMC) ● Secure Digital (SD) ● xD Picture Card

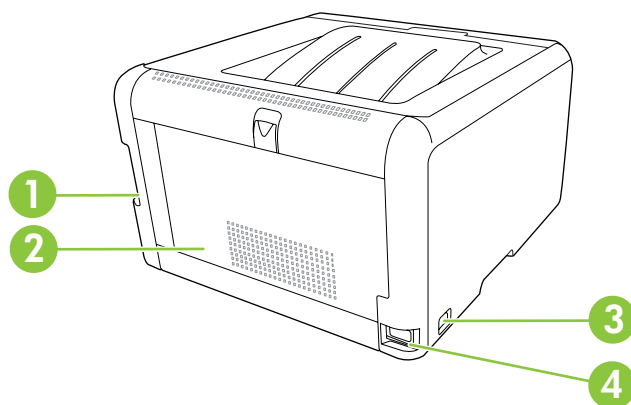
Walkaround (HP Color LaserJet CP1210 Series Printer)

Front view



1	Output bin (holds 125 sheets of standard paper)
2	Front door (provides access to the print cartridges)
3	Jam-access door
4	Tray 1 (holds 150 sheets of standard paper)
5	Control panel

Back and side view

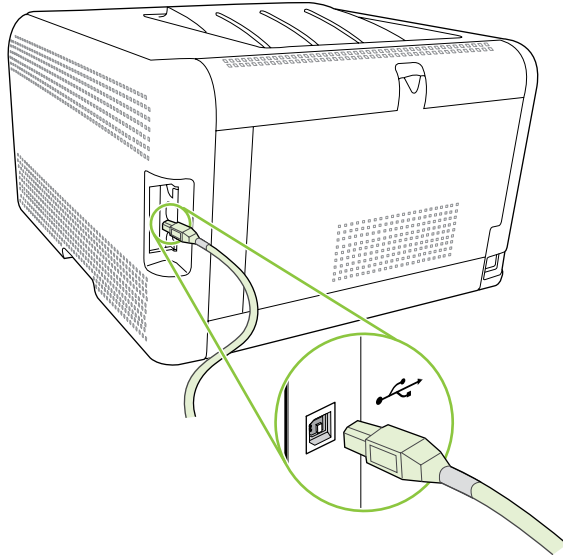


1	Hi-Speed USB 2.0 port
2	Rear door (for jam access)
3	Power switch
4	Power connection

USB connection

 **NOTE:** Do *not* connect the USB cable before installing the software. The installation program will notify you when the USB cable should be connected.

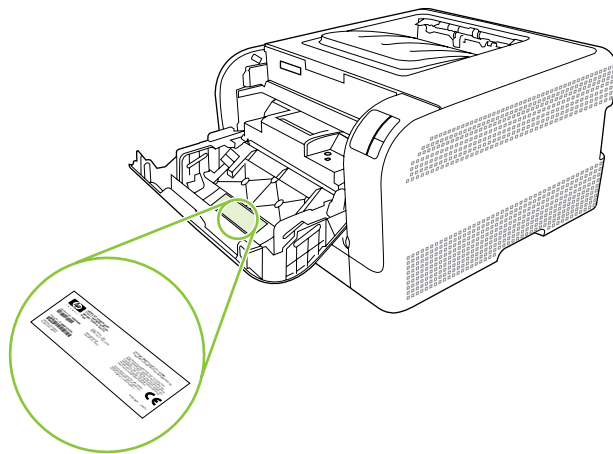
This product supports a USB 2.0 connection. You must use an A-to-B type USB cable for printing.



Model and serial numbers

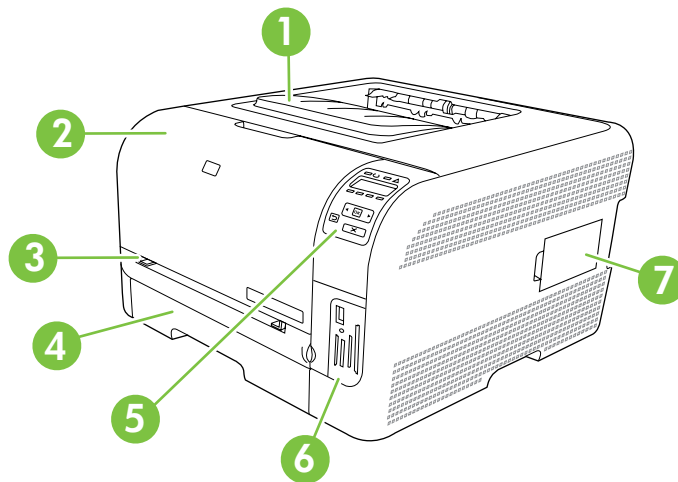
The model number and serial number are listed on an identification label located inside the front door.

The label contains information about the country/region of origin and the revision level, manufacturing date, production code, and production number of the product. The label also contains power rating and regulatory information.



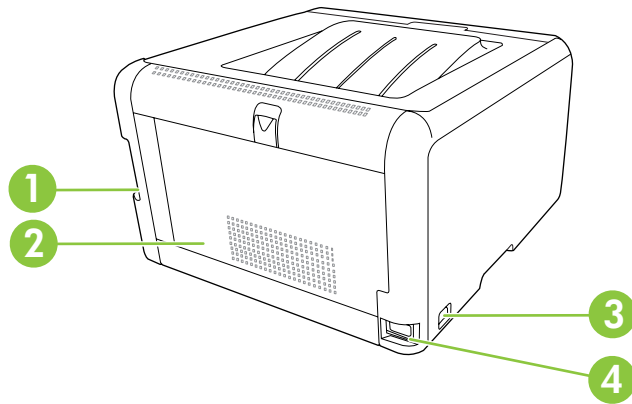
Walkaround (HP Color LaserJet CP1510 Series Printer)

Front view



1	Output bin (holds 125 sheets of standard paper)
2	Front door (provides access to the print cartridges)
3	Tray 1 (single-sheet priority feed slot) and jam-access door
4	Tray 2 (holds 150 sheets of standard paper)
5	Control panel
6	Memory card slots and PictBridge port (HP Color LaserJet CP1510ni only)
7	DIMM door (for adding additional memory)

Back and side view

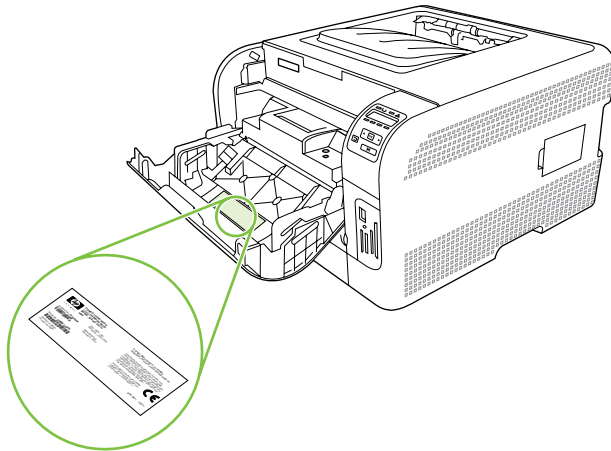


1	Hi-Speed USB 2.0 port and network port
2	Rear door (for jam access)
3	Power switch
4	Power connection

Model and serial numbers

The model number and serial number are listed on an identification label located inside the front door.

The label contains information about the country/region of origin and the revision level, manufacturing date, production code, and production number of the product. The label also contains power rating and regulatory information.



Supported operating systems

The product supports the following operating systems:

- Windows 2000
- Windows XP Home/Professional
- Windows Server 2003 (32-bit only)
- Windows Vista
- Mac OS X V10.2.8 and later (HP Color LaserJet CP1510 only)

Supported product software

Software included with the product

There are several options for completing a recommended install. 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

- Printer drivers
- HP Update program
- HP Customer Participation Program
- Shop for HP Supplies program

Express installation

The following software is included with an Express installation:

- Printer driver

 **NOTE:** For the HP Color LaserJet CP1510 Series printer, HP postscript level 3 emulation drivers can be installed by using the Microsoft® Add Printer wizard.

Macintosh software (HP Color LaserJet CP1510 only)

- HP Product Setup Assistant
- HP Device Configuration
- HP Uninstaller
- HP Director
- HP Photosmart

Printer driver (HP Color LaserJet CP1210 Series Printer)

The product comes with software for Windows 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/ljcp1210series. 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.

Supported printer drivers (HP Color LaserJet CP1510 Series Printer)

The product uses the PCL 6 and HP postscript level 3 emulation PDL drivers.

Operating system	Network support	PCL 6	HP postscript level 3 emulation
Windows	✓ ¹	✓	✓ ¹
Mac OS X V10.3, V10.4, and later	✓		✓
Linux ²			✓

¹ Driver can be installed by using the Microsoft Add Printer wizard, too.

² For Linux, download the HP postscript level 3 emulation driver from www.hp.com/go/ljcp1510series_software.

The printer drivers include online Help that has instructions for common printing tasks and also describes the buttons, check boxes, and drop-down lists that are in the printer driver.

Other software provided

Software for Windows

HP Color LaserJet CP1210 Series Toolbox

HP Color LaserJet CP1210 Series Toolbox is a software program that you can use for the following tasks:

- Checking the product status
- Checking the supplies status and ordering supplies online
- Setting up alerts
- Viewing and changing product settings
- Viewing product documentation
- Gaining access to troubleshooting and maintenance tools

To use HP Color LaserJet CP1210 Series Toolbox, perform a Full installation of the product software from the product CD.

HP ToolboxFX (HP Color LaserJet CP1510 Series Printer)

HP ToolboxFX is a software program that you can use for the following tasks:

- Checking the product status
- Checking the supplies status and ordering supplies online
- Setting up alerts
- Setting up e-mail notification for certain product and supplies events
- Viewing and changing product settings

- Gaining access to troubleshooting and maintenance tools

You can view HP ToolboxFX when the product is directly connected to a computer or is connected to a network. To use HP ToolboxFX, perform a Recommended software installation.

Software for Macintosh (HP Color LaserJet CP1510 Series Printer only)

The HP installer provides PostScript Printer Description (PPD) files, Printer Dialog Extensions (PDEs), and the configure device software for use with Macintosh computers.

PostScript Printer Description (PPD) files

The PPD, in combination with the Apple PostScript printer drivers, provides access to product features. An installation program for the PPD and other software is provided on the product CD-ROM.

Configuring the product using a Macintosh

For information about configuring the product using a Macintosh and the embedded Web server (EWS), see [HP Embedded Web Server \(HP Color LaserJet CP1510 Series Printer only\) on page 58](#).

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.

Software for networks (HP Color LaserJet CP1510 Series Printer only)

HP Web Jetadmin

HP Web Jetadmin is a browser-based management tool for network-connected printers within your intranet. It should be installed only on the network administrator's computer.

To download a current version of HP Web Jetadmin and for the latest list of supported host systems, visit www.hp.com/go/webjetadmin.

When installed on a host server, any client can gain access to HP Web Jetadmin by using a supported Web browser (such as Microsoft® Internet Explorer 6.x or Netscape Navigator 7.x or later) and navigating to the HP Web Jetadmin host.

Embedded Web server (HP Color LaserJet CP1510 Series Printer)

The EWS provides access to information about product and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Netscape Navigator, or Macintosh OS Safari.

The embedded Web server resides on the product. It is not loaded on a network server. No special software is installed or configured, but you must have a supported Web browser on your computer.