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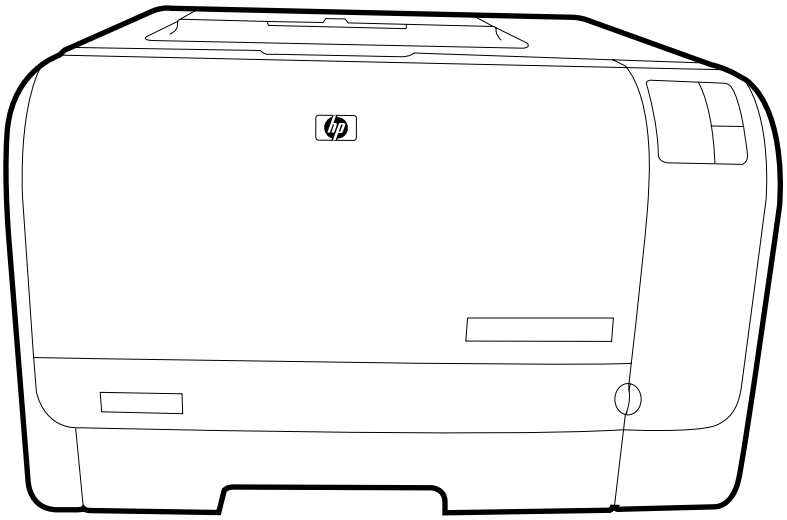
HP Color LaserJet CP1210 and CP1510 Series Printers

Service 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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Table of contents

1 Product basics

Quick access to product information 2
Product comparison 3
Product features 3
Walkaround (HP Color LaserJet CP1210 Series Printer) 5
Front view 5
Back and side view 5
USB connection 6
Model and serial numbers 6
Walkaround (HP Color LaserJet CP1510 Series Printer) 7
Front view 7
Back and side view 8
Model and serial numbers 8
Supported operating systems 9
Supported product software 10
Software included with the product 10
Recommended installation for Windows 10
Express installation 10
Macintosh software (HP Color LaserJet CP1510 only) 10
Printer driver (HP Color LaserJet CP1210 Series Printer) 10
Supported printer drivers (HP Color LaserJet CP1510 Series Printer) 11
Other software provided 11
Software for Windows 11
HP Color LaserJet CP1210 Series Toolbox 11
HP ToolboxFX (HP Color LaserJet CP1510 Series Printer) 11
Software for Macintosh (HP Color LaserJet CP1510 Series Printer only) 12
PostScript Printer Description (PPD) files 12
Configuring the product using a Macintosh 12
Status Alerts software 12
Software for networks (HP Color LaserJet CP1510 Series Printer only) 12
HP Web Jetadmin 12
Embedded Web server (HP Color LaserJet CP1510 Series Printer) 12
Linux 13

System requirements 14
Windows requirements 14
Macintosh requirements (HP Color LaserJet CP1510 Series Printer only) 14
Connectivity (HP Color LaserJet CP1510 Series Printer only) 15
Supported networks 15

2 Control panel

Control-panel walkaround (HP Color LaserJet CP1210 Series Printer) 18
Control-panel walkaround (HP Color LaserJet CP1510 Series Printer) 19
Use the control-panel menus (HP Color LaserJet CP1510 Series Printer only) 21
Use the menus 21
Reports menu 22
System setup menu 23
Network config. menu 25
Service menu 26

3 Paper and print

Supported paper and print media 28
Paper for the HP Color LaserJet CP1210 Series Printer 28
Supported paper and print media sizes 28
Supported paper types and tray capacity 29
Paper for the HP Color LaserJet CP1510 Series Printer 30
Supported paper and print media sizes 30
Supported paper types and tray capacity 31
Load paper and print media 33

4 Manage and maintain

Print information pages 36
HP Color LaserJet CP1210 Series Toolbox 37
Supported browsers 37
View the HP Color LaserJet CP1210 Series Toolbox 38
Status 39
Event log 39
Alerts 40
Set up Status Alerts 40
Set up E-mail Alerts 40
Product information 40
Help 40
Device Settings 42
Device Information 42
Paper Handling 43
Printing 43
PostScript 43

Photo 43
Print Quality 44
Print Density 44
Paper Types 44
Extended Print Modes 45
System Setup 46
Service 46
Network Settings 47
Shop for Supplies 47
Other Links 47
HP ToolboxFX (HP Color LaserJet CP1510 Series Printer only) 48
View HP ToolboxFX 48
Status 49
Event log 49
Alerts 50
Set up Status Alerts 50
Set up E-mail Alerts 50
Product information 50
Help 50
Device Settings 52
Device Information 52
Paper Handling 53
Printing 53
PostScript 53
Photo 53
Print Quality 54
Print Density 54
Paper Types 54
Extended Print Modes 55
System Setup 56
Service 56
Network Settings 57
Shop for Supplies 57
Other Links 57
HP Embedded Web Server (HP Color LaserJet CP1510 Series Printer only) 58
Access the Embedded Web Server by using a network connection 58
Embedded Web server sections 59
HP Web Jetadmin 61
Manage supplies 62
Parts life expectancy 62
Check and order supplies 62
Print-cartridge storage 62
HP policy on non-HP print cartridges 62
HP fraud hotline and Web site 62

Recycle supplies 63
Replace supplies 63
Replace print cartridges 63
Work with memory 66
Product memory (HP Color LaserJet CP1510 Series Printer only) 66
Install memory DIMMs 66
Clean the product 69
Clean the separation and pickup rollers 69
Clean the paper path 69
Upgrade firmware 70

5 Theory of operation
Basic operation 72
Major product systems 72
Product components 73
Sequence of operation 74
Engine control system 75
DC controller 76
Low-voltage power supply 76
High-voltage power supply 77
Laser/scanner system 79
Laser failure detection 79
Image-formation system 80
Image-formation process 80
Latent-image formation stage 81
Step 1: primary charging 81
Step 2: laser-beam exposure 82
Developing stage 82
Step 3: development 82
Transfer stage 83
Step 4: primary transfer 83
Step 5: secondary transfer 83
Step 6: separation from the drum 84
Fusing stage 84
Step 7: fusing 84
ITB cleaning stage 85
Step 8: ITB cleaning 85
Drum cleaning stage 86
Step 9: drum cleaning 86
Pickup-and-feed system 87
Jam detection 88

6 Removal and replacement

Introduction 90
Removal and replacement strategy 90
Electrostatic discharge 90
Required tools 90
Before performing service 92
After performing service 92
Post-service test 93
Print-quality test 93
Parts removal order 94
Remove the print cartridges 95
Rollers 96
Pickup roller 96
Separation roller 98
Transfer roller 100
Feed assembly 102
External panels, covers, and doors 103
Right cover 103
Left cover 105
Front door and Tray 1 or jam-access door 107
Control-panel module and photo-card reader PCA 111
Rear-side cover 115
Rear-upper cover 116
Rear door and rear-lower cover 117
Top cover 119
Internal assemblies 122
Main motor 122
Fuser motor 123
Intermediate transfer belt (ITB) 124
Reinstall the ITB 129
DC controller PCA 131
Special consideration 131
Remove the DC controller PCA 131
Formatter PCA 134
Special consideration 134
Remove the formatter PCA 134
Power supply (high-voltage) 136
Power supply (low-voltage) 140
Power supply (fuser) 146
Fuser 149

7 Problem solve

Solve problems checklist 154

Menu map (HP Color LaserJet CP1510 Series Printer only) 155
Troubleshooting process 156
Pre-troubleshooting checklist 156
Power-on checks 158
Tools for troubleshooting 159
Print-quality troubleshooting tools 159
Calibrate the product 159
Problem-solve diagrams 160
Repetitive image defects 160
Interface ports 161
DC controller PCA 162
Major components 164
Solenoid, sensors, and motors 166
Rollers 167
PCAs 168
Timing diagram 170
Circuit diagram 171
Status-light patterns (HP Color LaserJet CP1210 Series Printer only) 172
Status-alert messages (HP Color LaserJet CP1210 Series Printer only) 176
Control-panel messages (HP Color LaserJet CP1510 Series Printer only) 179
Pages and reports 183
Demo page 183
Configuration page 183
Supplies status page 183
Event log 184
Paper-handling problems 186
Jams 186
Recover jams 186
Common causes of jams 187
Clear jams 188
Jam in Tray 1 188
Jam in Tray 2 189
Jam in fuser area 190
Jam in output bin 192
Image defects 193
General print quality issues 193
Solve issues with color documents 196
Performance problems 199
Solve connectivity problems 200
Solve direct-connection problems 200
Solve network problems (HP Color LaserJet CP1510 Series Printer only) 200
Service mode functions 202
Service menu 202
Service menu settings (HP Color LaserJet CP1510 Series Printer only) 202

Restore the factory-set defaults on the HP Color LaserJet CP1210 Series Printer 202
Restore the factory-set defaults on the (HP Color LaserJet CP1510 Series Printer 202
Secondary service menu (HP Color LaserJet CP1510 Series Printer only) 202
Open the secondary service menu 202
Secondary service menu structure 203
Engine resets 203
Engine test page 203
Cold reset 203
NVRAM initialization 204
Solve memory card and PictBridge port (HP Color LaserJet CP1510ni only) problems 205

8 Parts and diagrams

Order parts, accessories, and supplies 208
Order directly from HP 208
Order through service or support providers 208
Order directly through the software 208
Supplies part numbers 209
Screws 211
How to use the parts lists and diagrams 211
Covers, panels, and doors 212
Internal assemblies 216
Alphabetical parts list 230
Numerical parts list 234

Appendix A Service and support

Hewlett-Packard limited warranty statement 240
Customer self repair warranty service 241
Print cartridge limited warranty statement 242
Customer support 243
Repack the product 244
Service information form 245

Appendix B Specifications

Physical specifications 248
Electrical specifications 248
Power consumption and acoustic emissions 248
Operating-environment specifications 248
Skew specifications 248

Appendix C Regulatory information

FCC regulations 250

Environmental product stewardship program 251
Protecting the environment 251
Ozone production 251
Power consumption 251
Paper use 251
Plastics 251
HP LaserJet print supplies 251
Return and recycling instructions 252
United States and Puerto Rico 252
Multiple returns (two to eight cartridges) 252
Single returns 252
Shipping 252
Non-US returns 252
Paper 252
Material restrictions 252
Disposal of waste equipment by users in private households in the European Union 253
Material Safety Data Sheet (MSDS) 253
For more information 253
Declaration of conformity 254
Safety statements 255
Laser safety 255
Canadian DOC regulations 255
VCCI statement (Japan) 255
Power cord statement (Japan) 255
EMI statement (Korea) 255
Laser statement for Finland 256
Substances Table (China) 256
Certificate of Volatility 258

Index 259

List of tables

Table 1-1 Product guides 2
Table 1-2 Printing 15
Table 1-3 Network product discovery 15
Table 1-4 Messaging and management 15
Table 1-5 IP addressing 15
Table 3-1 Supported paper and print media sizes 28
Table 3-2 Supported envelopes and postcards 28
Table 3-3 Supported paper and print media sizes 30
Table 3-4 Supported envelopes and postcards 31
Table 5-1 Sequence of operation 74
Table 7-1 Repetitive image defects 160
Table 7-2 DC controller connectors 162
Table 7-3 Major components 164
Table 7-4 Solenoid, sensors, and motors 166
Table 7-5 Rollers 167
Table 7-6 PCAs 168
Table 7-7 Event-log messages 184
Table 7-8 2ndary Service menu 203
Table 8-1 Spare parts and replacement supplies 209
Table 8-2 Common fasteners 211
Table 8-3 Covers, panels, and doors (HP Color LaserJet CP1210 Series Printer) 213
Table 8-4 Covers, panels, and doors (HP Color LaserJet CP1510 Series Printer) 215
Table 8-5 Internal components (1 of 4) 217
Table 8-6 Internal components (2 of 4) 219
Table 8-7 Internal components (3 of 4) 221
Table 8-8 Internal components (4 of 4) 223
Table 8-9 Cassette 225
Table 8-10 Fuser assembly 227
Table 8-11 PCAs 229
Table 8-12 Alphabetical parts list 230
Table 8-13 Numerical parts list 234
Table C-1 有毒有害物质表 256

List of figures

Figure 5-1 Product systems 72
Figure 5-2 Product components 73
Figure 5-3 Engine control system components 75
Figure 5-4 DC controller circuit diagram 76
Figure 5-5 Low-voltage power supply 77
Figure 5-6 High-voltage power supply 78
Figure 5-7 Laser/scanner system 79
Figure 5-8 Image-formation system 80
Figure 5-9 Image-formation process 81
Figure 5-10 Primary charging 81
Figure 5-11 Laser-beam exposure 82
Figure 5-12 Development 82
Figure 5-13 Primary transfer 83
Figure 5-14 Secondary transfer 83
Figure 5-15 Separation from the drum 84
Figure 5-16 Fusing 84
Figure 5-17 ITB cleaning 85
Figure 5-18 Drum cleaning 86
Figure 5-19 Pickup-and-feed system 87
Figure 6-1 Phillips and pozidrive screwdriver comparison 91
Figure 6-2 Parts-removal tree 94
Figure 6-3 Remove the print cartridge 95
Figure 6-4 Remove the pickup roller 97
Figure 6-5 Remove the separation roller (1 of 2) 98
Figure 6-6 Remove the separation roller (2 of 2) 99
Figure 6-7 Remove the transfer roller (1 of 3) 100
Figure 6-8 Remove the transfer roller (2 of 3) 100
Figure 6-9 Remove the transfer roller (3 of 3) 101
Figure 6-10 Remove the feed assembly (1 of 2) 102
Figure 6-11 Remove the feed assembly (2 of 2) 102
Figure 6-12 Remove the right cover (1 of 4) 103
Figure 6-13 Remove the right cover (2 of 4) 103
Figure 6-14 Remove the right cover (3 of 4) 104
Figure 6-15 Remove the right cover (4 of 4) 104

Figure 6-16 Remove the left cover (1 of 4) 105
Figure 6-17 Remove the left cover (2 of 4) 105
Figure 6-18 Remove the left cover (3 of 4) 106
Figure 6-19 Remove the left cover (4 of 4) 106
Figure 6-20 Remove the front door and Tray 1 or jam-access door (1 of 7) 107
Figure 6-21 Remove the front door and Tray 1 or jam-access door (2 of 7) 107
Figure 6-22 Remove the front door and Tray 1 or jam-access door (3 of 7) 108
Figure 6-23 Remove the front door and Tray 1 or jam-access door (4 of 7) 108
Figure 6-24 Remove the front door and Tray 1 or jam-access door (5 of 7) 109
Figure 6-25 Remove the front door and Tray 1 or jam-access door (6 of 7) 109
Figure 6-26 Remove the front door and Tray 1 or jam-access door (7 of 7) 110
Figure 6-27 Remove the control-panel module (1 of 4) 112
Figure 6-28 Remove the control-panel module (2 of 4) 112
Figure 6-29 Remove the control-panel module (3 of 4) 113
Figure 6-30 Remove the control-panel module (4 of 4) 113
Figure 6-31 Remove the memory-card reader (HP Color LaserJet CP1510 only) 114
Figure 6-32 Remove the rear-side cover (1 of 2) 115
Figure 6-33 Remove the rear-side cover (2 of 2) 115
Figure 6-34 Remove the rear-upper cover (1 of 2) 116
Figure 6-35 Remove the rear-upper cover (2 of 2) 116
Figure 6-36 Remove the rear door and rear-lower cover (1 of 4) 117
Figure 6-37 Remove the rear door and rear-lower cover (2 of 4) 117
Figure 6-38 Remove the rear door and rear-lower cover (3 of 4) 118
Figure 6-39 Remove the rear door and rear-lower cover (4 of 4) 118
Figure 6-40 Remove the top cover (1 of 4) 119
Figure 6-41 Remove the top cover (2 of 4) 120
Figure 6-42 Remove the top cover (3 of 4) 120
Figure 6-43 Remove the top cover (4 of 4) 121
Figure 6-44 Remove the main motor (1 of 2) 122
Figure 6-45 Remove the main motor (2 of 2) 122
Figure 6-46 Remove the fuser motor (1 of 2) 123
Figure 6-47 Remove the fuser motor (2 of 2) 123
Figure 6-48 Remove the ITB (1 of 9) 124
Figure 6-49 Remove the ITB (2 of 9) 124
Figure 6-50 Remove the ITB (3 of 9) 125
Figure 6-51 Remove the ITB (4 of 9) 125
Figure 6-52 Remove the ITB (5 of 9) 126
Figure 6-53 Remove the ITB (6 of 9) 126
Figure 6-54 Remove the ITB (7 of 9) 127
Figure 6-55 Remove the ITB (8 of 9) 127
Figure 6-56 Remove the ITB (9 of 9) 128
Figure 6-57 Reinstall the ITB (1 of 2) 129
Figure 6-58 Reinstall the ITB (2 of 2) 130
Figure 6-59 Remove the DC controller PCA (1 of 3) 132

Figure 6-60 Remove the DC controller PCA (2 of 3) 133
Figure 6-61 Remove the DC controller PCA (3 of 3) 133
Figure 6-62 Remove the formatter PCA (1 of 2) 135
Figure 6-63 Remove the formatter PCA (2 of 2) 135
Figure 6-64 Remove the power supply (high-voltage; 1 of 6) 136
Figure 6-65 Remove the power supply (high-voltage; 2 of 6) 137
Figure 6-66 Remove the power supply (high-voltage; 3 of 6) 137
Figure 6-67 Remove the power supply (high-voltage; 4 of 6) 138
Figure 6-68 Remove the power supply (high-voltage; 5 of 6) 138
Figure 6-69 Remove the power supply (high-voltage; 6 of 6) 139
Figure 6-70 Remove the power supply (low-voltage; 1 of 10) 140
Figure 6-71 Remove the power supply (low-voltage; 2 of 10) 141
Figure 6-72 Remove the power supply (low-voltage; 3 of 10) 141
Figure 6-73 Remove the power supply (low-voltage; 4 of 10) 142
Figure 6-74 Remove the power supply (low-voltage; 5 of 10) 142
Figure 6-75 Remove the power supply (low-voltage; 6 of 10) 143
Figure 6-76 Remove the power supply (low-voltage; 7 of 10) 143
Figure 6-77 Remove the power supply (low-voltage; 8 of 10) 144
Figure 6-78 Remove the power supply (low-voltage; 9 of 10) 144
Figure 6-79 Remove the power supply (low-voltage; 10 of 10) 145
Figure 6-80 Remove the power supply (fuser; 1 of 5) 146
Figure 6-81 Remove the power supply (fuser; 2 of 5) 146
Figure 6-82 Remove the power supply (fuser; 3 of 5) 147
Figure 6-83 Remove the power supply (fuser; 4 of 5) 147
Figure 6-84 Remove the power supply (fuser; 5 of 5) 148
Figure 6-85 Remove the fuser (1 of 4) 149
Figure 6-86 Remove the fuser (2 of 4) 150
Figure 6-87 Remove the fuser (3 of 4) 150
Figure 6-88 Remove the fuser (4 of 4) 151
Figure 7-1 DC controller connectors 162
Figure 7-2 Major components 164
Figure 7-3 Solenoid, sensors, and motors 166
Figure 7-4 Rollers 167
Figure 7-5 PCAs 168
Figure 7-6 Timing diagram 170
Figure 7-7 Circuit diagram 171
Figure 8-1 Covers, panels, and doors (HP Color LaserJet CP1210 Series Printer) 212
Figure 8-2 Covers, panels, and doors (HP Color LaserJet CP1510 Series Printer) 214
Figure 8-3 Internal components (1 of 4) 216
Figure 8-4 Internal components (2 of 4) 218
Figure 8-5 Internal components (3 of 4) 220
Figure 8-6 Internal components (4 of 4) 222
Figure 8-7 Cassette 224
Figure 8-8 Fuser assembly 226

Figure 8-9 PCAs 228

1 Product basics

- Quick access to product information
- Product comparison
- Product features
- Walkaround (HP Color LaserJet CP1210 Series Printer)
- Walkaround (HP Color LaserJet CP1510 Series Printer)
- 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

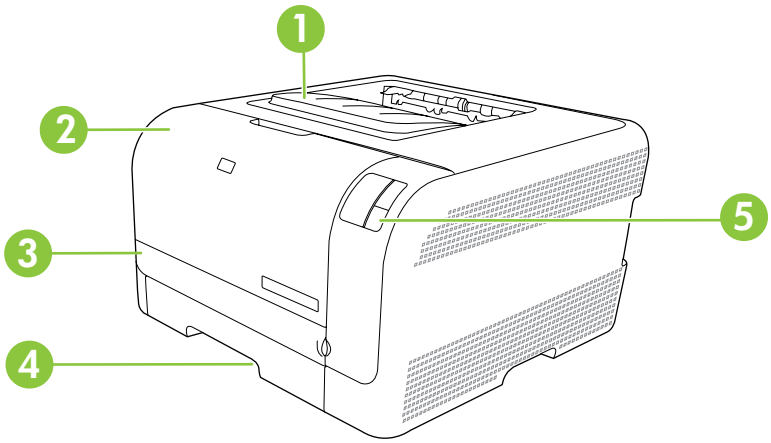
Product features

	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

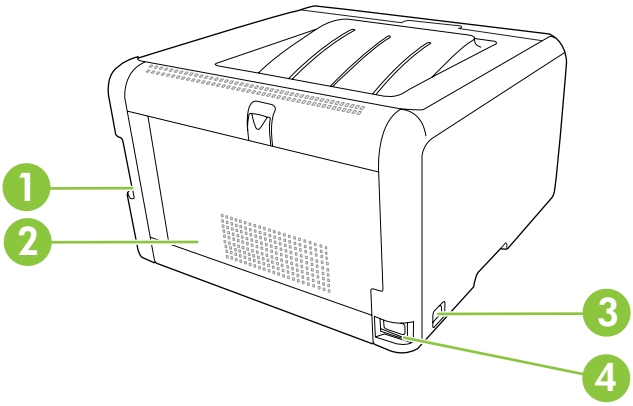
Walkaround (HP Color LaserJet CP1210 Series Printer)

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

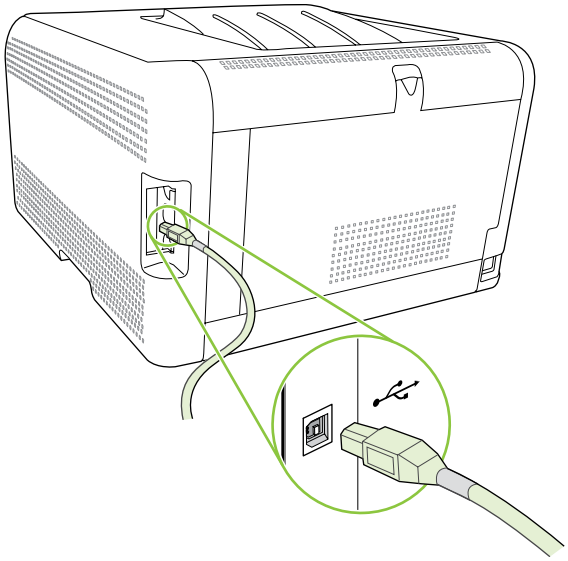


1	Hi-Speed USB 2.0 port
2	Rear door (for jam access)
3	Power switch
4	Power connection

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.

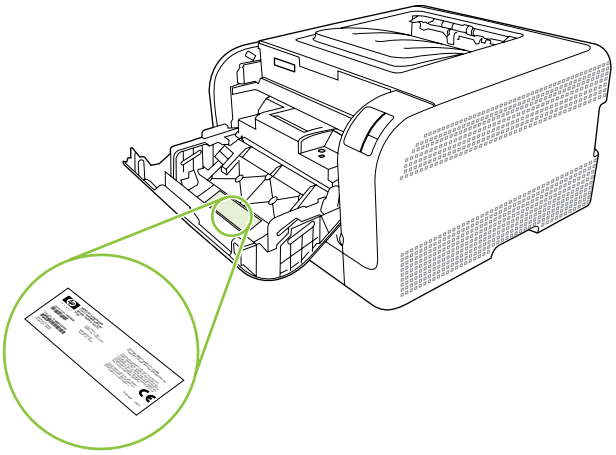
This product supports a USB 2.0 connection. You must use an A-to-B type USB cable for printing.



Model and serial numbers

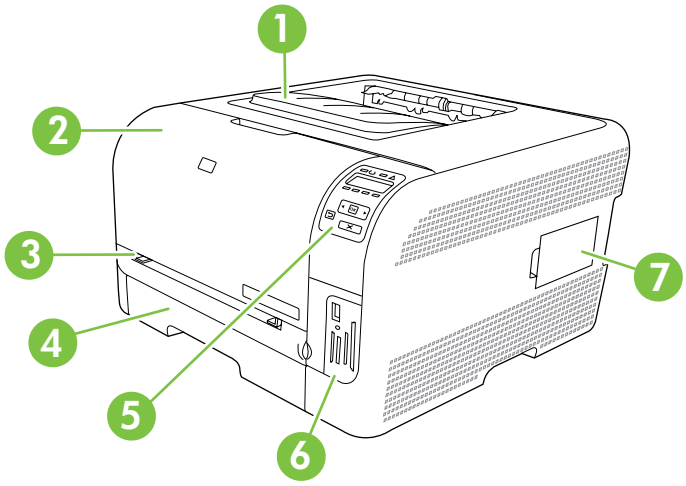
The model number and serial number are listed on an identification label located inside the front door.

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.



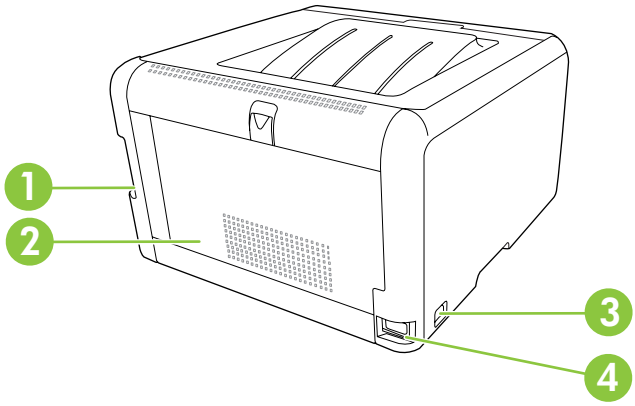
Walkaround (HP Color LaserJet CP1510 Series Printer)

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

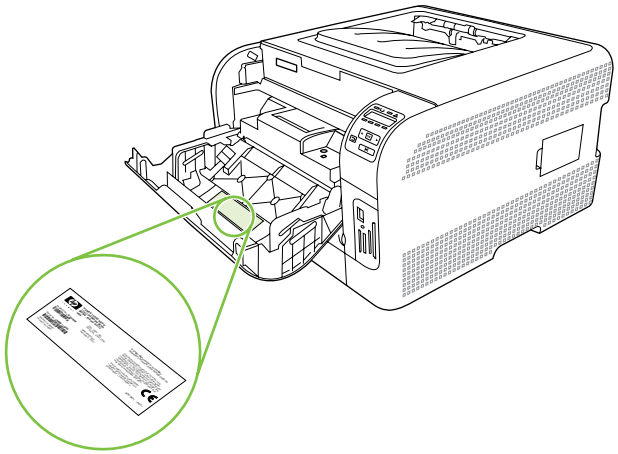


1	Hi-Speed USB 2.0 port and network port
2	Rear door (for jam access)
3	Power switch
4	Power connection

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

Product: 2008 HP Color LaserJet CP1210 and CP1510 Series Printers Service Repair Workshop Manual
Full Download: https://www.arepairmanual.com/downloads/2008-hp-color-laserjet-cp1210-and-cp1510-series-printers-service-repair-workshop-manual/

- Viewing product documentation
- 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.

Sample of manual. Download All 286 pages at:
https://www.arepairmanual.com/downloads/2008-hp-color-laserjet-cp1210-and-cp1510-series-printers-service-repair-worksh