



## HP Color LaserJet CM1312nfi MFP



HP's lowest-priced color laser MFP with fax includes the extra features you need to take your business to the next level.

### Effortless setup and operation

The installer and fax set-up wizard help you set up, install, and configure the MFP in just a few clicks. Original HP cartridges are preinstalled and a handy front-access panel makes replacement effortless. The print cartridge is designed for simplicity, incorporating the toner and imaging drum in one supply.

The MFP's intuitive control panel helps you navigate device functions with fax, copy, and scan keys. The 2.4-inch color graphical display provides clear device and supplies status. Use the **Help** button to access easy-to-follow instruction.

### Easy sharing and management

Ideal for small workgroups, the MFP offers good networking performance and essential security features. Manage your MFP with HP Easy Printer Care Software, a simple tool to deploy, monitor, and maintain about 15 HP printing devices.

The MFP is supported by the HP Universal Print Driver for Windows, a single driver that gives you instant access to HP printing devices.

Keep color printing and copying expenses under control with color copy lockout and photo lockout.

### Greater productivity—affordably

Get print, copy, fax, and high-quality scan capabilities in a single easy-to-use device, eliminating the expense and space of multiple single-function devices. The MFP's built-in photo card slots make it simple to create impressive marketing materials with high-quality photo accents. Insert a photo memory card, browse it from your computer, and select the images you want to use.

See your output quickly with print speeds of up to 12 pages per minute (ppm), black-and-white (8 ppm, color). Start fast and finish sooner—typical office print job Time To Completion can be more than two times faster with the MFP's Instant-on Technology.<sup>1</sup> Instant-on Copy with LED-based technology delivers your first copy in seconds.

Not only does this HP Color LaserJet MFP have a great purchase price, but you can print black pages for the same price as printing black pages on a black-and-white HP laser device.<sup>2</sup> And you can still print in color!

<sup>1</sup> Instant-on Technology uses cutting-edge fuser technology to produce the first page faster when a device is coming out of low power mode. An InfoTrends study shows the typical office print job is three to five pages long: [www.infotrends.com/public/Content/Presentations/officeprinteruse.pdf](http://www.infotrends.com/public/Content/Presentations/officeprinteruse.pdf). Time To Completion of a typical office print job tested on HP and select competing products. Actual results may vary.

<sup>2</sup> Compared to HP LaserJet P1505 printer (single function) and LaserJet M1522 MFP/ M1120 MFP. Assuming customer is printing at least 30% of total pages in color with content similar to the color ISO/IEC 19798 test suite ([www.iso.org/itc1/sc28](http://www.iso.org/itc1/sc28)) and overall average job length of three pages. Yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed and other factors.



#### Instant-on Technology



#### Memory card slots

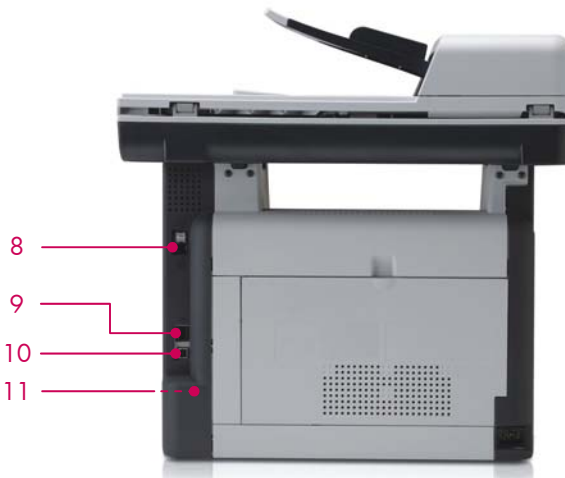


# HP Color LaserJet CM1312nfi MFP

- 1 50-sheet automatic document feeder for unattended copying, scanning, and faxing
- 2 Intuitive control panel with 2.4-inch color graphical display and built-in Help function
- 3 125-sheet output bin
- 4 One-door access to the preinstalled, easy-to-replace print cartridges with ColorSphere toner
- 5 150-sheet multipurpose tray
- 6 Reduction optics/charge-coupled device (RO/CCD) color flatbed scanner
- 7 Photo memory card slots provide access to images directly from the MFP
- 8 Fax port
- 9 10/100 networking port for easy sharing
- 10 Hi-Speed USB 2.0 port provides simple connections
- 11 A powerful 450 MHz processor and 160 MB memory



Front view



Rear view

**ColorSphere**  
HP TONERS

# Get the print quality and the tools you need to create brilliant marketing materials in the comfort of your office.



## Print-shop quality color

HP ColorSphere toner takes HP Color LaserJet performance to the next level. Immediately see the difference in your documents with sharper text and graphics and vibrant, attention-grabbing color.

Make no compromises when it comes to color quality. HP ImageREt 3600 is the difference between color that looks good, and color that looks exceptional. This suite of innovative HP color technologies enables you to create professional materials in-house for a fraction of what you'd spend at a print shop.



## Tools to increase your flexibility

Print professional-quality brochures and more at your desk. Free HP marketing tools allow you to alter your documents instantly, so each piece is up-to-date and speaks directly to customer needs.<sup>3</sup> With the included Print View feature, you can change print settings and see immediately how those changes affect your document before you print. The Print Cost Estimator lets you compare the cost of printing in-house versus using a print shop.

Print on a range of supported media—including glossy paper—in sizes from 3 by 5 inches up to 8.5 by 14 inches. HP offers a full line of everyday and specialty papers that are designed together with HP Color LaserJet printing systems.

Get alerts when supplies should be reordered and shop anytime with a desktop icon that links to HP SureSupply.<sup>4</sup>

## Sophisticated scanning

With the 50-page automatic document feeder, you can load documents and enjoy unattended copying, scanning, and faxing. Use the flatbed scanner to scan flat documents, bound files, or 3-D objects. The high depth-of-focus Charge Coupled Device scanner captures high-quality images, including double-page spreads—minimizing image defects such as black lines at bindings.

Easily capture, store, and distribute paper documents into digital processes. Send scanned documents and images to an e-mail address or folder from the device control panel. Turn scanned text into editable and searchable files with Readiris PRO optical character recognition software.

## Get the most out of your MFP with HP accessories, supplies, and services.



### Q6264A

Connect directly with the Hi-Speed USB A to B printer cable (6-foot).



HP's all-in-one print cartridges and ColorSphere toner are specifically designed with the MFP to deliver consistent quality and reliable, trouble-free printing.



Choose from a selection of HP papers to create impressive, professional documents.

HP Imaging and Printing Services provide convenient and configurable solutions that help you get the most value out of your printing. Choose the level of support that best fits your business needs.

### Replacement print cartridges with HP ColorSphere toner<sup>5</sup>

HP Color LaserJet Black Print Cartridge	CB540A
HP Color LaserJet Cyan Print Cartridge	CB541A
HP Color LaserJet Yellow Print Cartridge	CB542A
HP Color LaserJet Magenta Print Cartridge	CB543A

### Connectivity

Hi-Speed USB A to B printer cable (6-foot)	Q6264A
USB 2.0 A to B printer cable (9-foot)	C6520A
Network cable (7-foot)	C7535A
Network cable (14-foot)	C7536A
Network cable (25-foot)	C7537A
Network cable (50-foot)	C7542A

### Service and support

HP 3-year, Next Business Day Exchange Service	UE201E
HP On-site Installation and Network Configuration	H3110E
HP 1-year, Post-warranty, Next Business Day Exchange Service	UE668PE
HP 1-year, Post-warranty Service, Phone and Online Assistance	HC128PE

### Paper

[www.hp.com/go/paper](http://www.hp.com/go/paper)  
1-800-477-5010

### Solutions

[www.hp.com/go/gsc](http://www.hp.com/go/gsc)

<sup>3</sup> The Marketing Resources Software may be downloaded for free through the URL included with the MFP's installation software. For more information, visit [www.hp.com/go/ihm](http://www.hp.com/go/ihm).

<sup>4</sup> For more information, visit [www.hp.com/learn/SureSupply](http://www.hp.com/learn/SureSupply); only available with Original HP supplies; Internet access required.

<sup>5</sup> Average continuous composite cyan/yellow/magenta cartridge yield 1,400 standard pages and average continuous black cartridge yield 2,200 standard pages. Declared yield values for replacement cartridges in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit [www.hp.com/go/learnaboutsplies](http://www.hp.com/go/learnaboutsplies).

# HP Color LaserJet CM1312nfi MFP

## Technical specifications

<b>Part number</b>	CC431A
<b>Print and copy speed<sup>6</sup></b>	Black-and-white: up to 12 ppm; color: up to 8 ppm (letter)
<b>Document delivery speed</b>	Black-and-white: as fast as 26 seconds from Ready mode, color: as fast as 32 seconds from Ready mode Time To Completion for a typical office print job <sup>7</sup> : as fast as 54 seconds (letter)
<b>Resolution</b>	Printing: up to 600 by 600 dpi; HP ImageREt 3600, ColorSphere toner, HP edge-enhancement technologies; Scanning: up to 1200 dpi optical resolution, up to 19,200 enhanced resolution
<b>Features</b>	
Copying	Up to 99 multiple copies, reduce/enlarge from 25 to 400%, contrast (lighter/darker), quality (copy optimize), number of copies, paper size, paper type, multi-page copy, collation, copy draft, image adjustment (lightness, contrast, sharpen, background removal, color balance, grayness)
Scanning	Color flatbed scanner and ADF, 4 by 6 in to 8.5 by 14 in; remote initiated scanning via HP Director, TWAIN-compliant or WIA-compliant software, HP Solution Center software; walk-up initiated scanning via front control panel (preconfiguration via software required); file types: BMP, GIF, JPG, PNG, TIF, PDF
Faxing	Up to 36.6 kbps, auto fax reduction, fax forwarding, fax polling (receive only), broadcasting (to up to 120 locations), speed dial (up to 120 numbers), auto redialing, PC faxing supported, delayed sending, distinctive ring, phone TAM interface, telephone mode supported, up to 250 pages fax memory <sup>8</sup>
Photo memory cards supported	CompactFlash Type I and II, Memory Stick, Memory Stick PRO, Memory Stick Duo, Secure Digital, MultimediaCard, xD-Picture Card
<b>Processor</b>	450 MHz
<b>Memory</b>	160 MB
<b>Recommended monthly volume<sup>9</sup></b>	250 to 1,500 pages
<b>Duty cycle<sup>10</sup></b>	Up to 30,000 pages
<b>Paper</b>	
Input	150-sheet multipurpose input tray
Output	125-sheet face-down output bin
Two-sided printing	Manual
Sizes	3 by 5 in to 8.5 by 14 in; letter, legal, executive, envelopes (No. 10, Monarch)
Weights	16 to 47 lb, up to 53 lb with HP laser cover papers, up to 59 lb with HP laser glossy photo papers
Types	Paper (bond, brochure, color, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock
<b>Connectivity</b>	
Interfaces	Hi-Speed USB 2.0 port, 10/100 Base TX with RJ-45 connector, 2 RJ-11 ports, photo memory card slots
Languages and fonts	Languages: HP PCL 6, HP postscript Level 3 emulation, HP PCL5c emulation; Fonts: 80 TrueType PCL 6, 80 TrueType PostScript
Client operating systems	Microsoft® Windows® 2000, Windows XP® Home, Windows XP Professional, Windows Server 2003, Certified for Windows Vista®; Mac OS X v10.3, v10.4, v10.5 and later
Network operating systems	Windows 2000 (print drivers only), XP Home, XP Professional, XP 64-bit, Windows Server 2003/2008, Windows Vista; Mac OS X v10.3 or higher; Red Hat/SuSE Linux 6.x or higher, Novell NetWare 3.2 or higher (NDPS-TCP/IP only); Citrix MetaFrame (print only); Windows Terminal Services (print only) <sup>11</sup>
Network protocols	Via builtin networking solution: TCP/IP, IPv4, IPv6; Print: TCP/IP port 9100 Direct Mode, LPD (raw que support only), Web Services Printing; Photo card: CIFS; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Stateless via DHCPv6); Management: SNMPv1, HTTP
<b>Dimensions (w by d by h)</b>	19.6 by 19.3 by 19.1 in
<b>Weight (includes print cartridge)</b>	54.5 lb
<b>What's in the box</b>	MFP; preinstalled introductory 750-page black, cyan, magenta, and yellow HP Color LaserJet print cartridges with ColorSphere toner <sup>12</sup> ; in-box documentation (Getting Started Guide, support flyer); CD (User's Guide and device software); power cable; phone cord; control panel faceplate; Readiris PRO OCR software and registration card; Marketing Starter Kit (includes specialty media samples, discounts to partner offerings, and document templates)
<b>Warranty</b>	One-year, return to authorized service center, limited hardware warranty; telephone and Web support (varies according to region)

## Environmental ranges

Recommended temperature	68 to 81 degrees F
Storage temperature	-4 to 104 degrees F
Recommended relative humidity	20 to 70 percent
Storage relative humidity	10 to 95 percent
Altitude	Up to 10,000 ft

## Acoustics<sup>13</sup>

Sound power	Active, print: 6.1 B(A); copy: 6.4 B(A); Ready: inaudible
Bystander sound pressure	Active, print: 47 dB(A); copy: 50 dB(A); Ready: inaudible

## Power specifications<sup>14</sup>

Required input voltage	110 to 127 V (±10 percent), 60 Hz (±3 Hz) 220 to 240 V (±10 percent), 50 Hz (±3 Hz)
Power consumption	Active, print: 295 watts; copy: 310 watts Ready: 21 watts; Sleep: 7.2 watts; Off: 0 watts

Typical Electricity Consumption (TEC): 1.597 KWh/Week

ENERGY STAR<sup>®</sup> qualified models, see [www.hp.com/go/energystar](http://www.hp.com/go/energystar)

## Certifications

Safety	IEC 60825-1+A1+A2, UL/cUL Listed (US/Canada), EN 60825-1+A1+A2 (Class 1 Laser/LED Device) GB4943-2001; other safety approvals as required by individual countries
EMC	CISPR 22: 2005/EN 55022: 2006 Class B, EN 61000-3-2: 2000+A2, EN 61000-3-3: 1995+A1, EN 55024: 1998+A1+A2, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada); other EMC approvals as required by individual countries
Telecom	FCC Part 68, Industry Canada CS03, NOM-151-SCTI-1999 (Mexico); other Telecom approvals as required by individual countries

HP SureSupply enabled. To learn more, visit [www.hp.com/learn/suresupply](http://www.hp.com/learn/suresupply)

<sup>6</sup> Exact speed varies depending on system configuration, software application, driver, and document complexity.

<sup>7</sup> An InfoTrends study shows the typical office print job is three to five pages long. Time To Completion of a typical office print job tested on HP and select competing products. Actual results may vary.

<sup>8</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

<sup>9</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

<sup>10</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs.

<sup>11</sup> Not all protocol and operating system configurations are supported. For more information, go to [www.hp.com/support/net\\_printing](http://www.hp.com/support/net_printing).

<sup>12</sup> Introductory cartridges: Average continuous composite cyan/yellow/magenta cartridge yield 750 pages and average continuous black cartridge yield 750 pages. Replacement cartridges: Average continuous composite cyan/yellow/magenta cartridge yield 1,400 standard pages and average continuous black cartridge yield 2,200 standard pages. Declared yield values in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit [www.hp.com/go/learnaboutsplies](http://www.hp.com/go/learnaboutsplies).

<sup>13</sup> Configuration tested: imaging model, simplex printing, A4 paper at an average of 12 ppm.

<sup>14</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.



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