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.1 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.2 And you can still print in color!

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.

1 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. Time To Completion of a typical office print job tested on HP and select competing products. Actual results may vary.

2 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/jtc1/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.
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
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. 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.

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.

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.

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.

3 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.

4 For more information, visit www.hp.com/learn/SureSupply; only available with Original HP supplies; Internet access required.

5 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/learnaboutsupplies.
**Technical specifications**

**Part number**
CC431A

**Print and copy speed**
Black-and-white: up to 12 ppm; color: up to 8 ppm (letter)

**Document delivery speed**
Black-and-white: as fast as 26 seconds from Ready mode, color: as fast as 32 seconds from Ready mode

**Resolution**
Printing: up to 600 by 600 dpi; HP ImageReTi 3600; ColorSphere toner; HP edge-enhancement technologies; Scanning: up to 1200 dpi optical resolution, up to 19,200 enhanced resolution

**Features**
- **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, sharpness, background removal, color balance, grayscale)

- **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, JPEG, PNG, TIFF, PDF

- **Faxing**
  Up to 36.6 kbps, auto fax reduction, fax forwarding, fax polling (receive only), broadcasting (to up to 120 locations), speed dial (to 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

- **Photo memory cards supported**
  CompactFlash Type I and II, Memory Stick, Memory Stick PRO, Memory Stick Duo, Secure Digital, MultiMediaCard, xD-Picture Card

**Processor**
450 MHz

**Memory**
160 MB

**Recommended monthly volume**
250 to 1,500 pages

**Duty cycle**
Up to 30,000 pages

**Paper**
- **Input**
  150-sheet multipurpose input tray
- **Output**
  125-sheet facedown 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, recycled, rough), transparencies, labels, envelopes, cardstock

**Connectivity**
- **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 PS3 emulation; Fonts: BT TrueType PCL 6, BT TrueType PostScript

- **Client operating systems**

- **Network operating systems**
  Windows 2000 (print drivers only), XP Home, XP Professional, XP XP4 bit, Windows Server 2003/2008, Windows Vista, Mac OS X v10.3 or higher; Red Hat/SUSE Linux 6.0 or higher, Novell NetWare 3.2 or higher (NDS/TCIF/IF only); Citrix Metaframe (print only); Windows Terminal Services (print only) 11

- **Network protocols**
  Via built-in networking solution; TCP/IP, IPv4, IPv6; Print; TCP/IP port 9100 Direct Mode, IPD (raw que support only); Web Services Printing; Photo card: CIFS, Discovery: SF,Bonjour, Web Services Discovery; IP Config: IPv4 (BooP, DHCP, AutoIP), IPv6 (Stateless Link-Local and via Router, Stateless via DCHPv6); Management: SNMPv1, HTTP

**Dimensions (w by d by h)**
19.6 by 19.3 by 19.1 in

**Weight (includes print cartridge)**
54.5 lb

**What's in the box**
- MFP; preinstalled introductory 750-page color black, cyan, magenta, and yellow HP Color LaserJet print cartridges with ColorSphere toner; inbox documentation (Getting Started Guide, support flyer); CD (User’s Guide and device software); power cable; control panel faceplate; Readiris PRO OCR software and registration card; Marketing Starter Kit (includes specialty media samples, discounts to partner offerings, and document templates)

**Warranty**
One-year, return to authorized service center, limited hardware warranty; telephone and Web support (varies according to region)

**Environmental ranges**

<table>
<thead>
<tr>
<th>Environmental range</th>
<th>Typical Electricity Consumption (TEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended temperature</td>
<td>68 to 81 degrees F</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>4 to 104 degrees F</td>
</tr>
<tr>
<td>Recommended relative humidity</td>
<td>20 to 70 percent</td>
</tr>
<tr>
<td>Storage relative humidity</td>
<td>10 to 95 percent</td>
</tr>
<tr>
<td>Altitude</td>
<td>Up to 10,000 ft</td>
</tr>
</tbody>
</table>

**Power specifications**

<table>
<thead>
<tr>
<th>Power specifications</th>
<th>Required input voltage</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active, print: 61 B(A); copy: 64 B(A); Ready: inaudible</td>
<td>110 to 127 V (±10 percent), 60 Hz (±3 Hz)</td>
<td>Ready: 21 watts; Sleep: 7.2 watts; Off: 0 watts</td>
</tr>
</tbody>
</table>

- HP SureSupply enabled. To learn more, visit www.hp.com/learn/suresupply

**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**

- Telecom FCC Part 68, Industry Canada CS03, NOM-151 SCT-1999 (Mexico); other Telecom approvals as required by individual countries

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