HP Color LaserJet CP4005 Printer series

CP4005n • CP4005dn

+hp

ColorSphere
HP TONERS

The HP Color LaserJet CP4005 Printer series combines robust performance, power packed durability, and superb color quality for the printing needs of all sizes of workteams.

Performance at the right price

- **Improve workgroup efficiency.** The HP Color LaserJet CP4005 Printer series is built for demanding environments, delivering color speeds up to 25 ppm and black-and-white speeds up to 30 ppm. No-wait Instant-on Technology virtually eliminates warm-up time: many jobs are ready and waiting before users even get to the printer.

- **Keep operating costs down.** This robust color LaserJet is certain to have a positive impact on your workplace while keeping expenses low. Because it's simple to operate, needs little maintenance, and requires fewer supplies with reliable HP all-in-one print cartridges, it delivers a quick return on your investment.

Brilliant color communication

- **Produce color documents as dynamic as your business.** HP ColorSphere toner works in concert with enhanced ImageREt 3600 technology, capturing the finer differences in color and image depth to reveal more natural, realistic images. Higher gloss makes colors look brighter and increases the range of colors. For optimal results, the five-layer coating technology on select HP paper and HP ColorSphere toner work better together.

- **Print with confidence.** The sophisticated HP engine design includes intelligent and conveniently timed color calibration to improve print quality without hampering performance. With HP Smart printing technology,[1] the printer and cartridges work together, triggering automatic adjustments to optimize print quality and reliability page after page.

- **Create brilliant marketing materials.** The printer balances superb print quality, fast speed, and incomparable ease of use to make in-house marketing a reality. Create stunning brochures, pamphlets, and presentations on your own and in no time with this top-of-the-line color laser printer.

Solid and reliable printing

- **Expect legendary HP reliability.** The HP Color LaserJet CP4005 Printer series is designed to handle the wear and tear associated with workteams. HP print cartridges are solidly constructed with the highest quality materials and components. The cartridges make up 70% of the imaging system and include the developer and drum—so you refresh the printer with every replacement for consistently sharp black text and rich color.

- **Reduce user intervention.** Add an optional 500-sheet input tray[2] for an input capacity of up to 1,100 sheets. End users will appreciate reloading paper less often. The printer also supports a wide range of sizes, types, and weights. And, with automatic two-sided printing, you can print more while conserving resources. [3]

Simple use and maintenance

- **Take advantage of a printer designed to ease your workload.** Embedded networking capability makes sharing the printer a snap. Cartridges are preinstalled when your printer arrives and the printer's software installs in just a few simple clicks. A media-type sensor automatically chooses the optimal print setting for the selected paper. Convenient front access allows you to replace cartridges easily.

- **Ensure a comfortable experience.** The familiar HP control panel provides the walk-up experience you're accustomed to. The menu is easy to navigate and provides quick access to printer and supplies status so users can troubleshoot and manage their print jobs effectively.

HP printing and imaging systems help you create powerful, professional communications easily. HP multifunction products, supplies, accessories, and services are designed to work together and are invented to meet your business needs.

[1] Using genuine HP supplies ensures availability of all HP printing features.
[2] The maximum input capacity of 1,100 sheets requires the purchase of an additional (not included, sold separately) 500-sheet input tray.
[3] Two-sided printing is standard on the CP4005dn only and is not available as an option on the CP4005n.

HP Color LaserJet CP4005 Printer series

1. Automatic two-sided printing offers efficient duplexing at full engine speed (CP4005dn only)
2. Top cover
3. Front door allows convenient access to four, all-in-one HP print cartridges
4. 100-sheet multipurpose tray handles heavy custom media up to 58 lb bond (220 g/m^2)
5. 500-sheet tray 2
6. Optional 500-sheet tray 3
7. Control panel simultaneously displays up to four lines of text and animated graphics
8. Hi-Speed USB 2.0 port
9. HP Jetdirect Fast Ethernet embedded print server

HP Color LaserJet CP4005dn Printer shown

Front view

Right side view

Series at a glance

HP Color LaserJet CP4005n printer (CB503A)
- 100-sheet multipurpose tray 1
- 500-sheet input tray 2 for a total of 600-sheet capacity
- 128 MB total memory, expandable to 512 MB
- HP Jetdirect Fast Ethernet embedded print server

HP Color LaserJet CP4005dn printer (CB504A)
- 100-sheet multipurpose tray 1
- 500-sheet input tray 2 for a total of 600-sheet capacity
- Automatic two-sided printing
- 256 MB total, expandable to 512 MB
- HP Jetdirect Fast Ethernet embedded print server

So simple to use and maintain,
it almost takes care of itself.

HP Marketing Assistant Software

When you print materials in-house, you have control over the process: *you* ensure that printing is efficient, affordable, confidential, and can make changes at a moment's notice without wasting printed material.

However, complex marketing collateral software can be overwhelming, leaving you wishing there were a better way to create high-impact marketing materials.

HP Marketing Assistant Software answers this need.[4] It provides professionally-designed templates, top quality HP paper, step-by-step instructions, and an online portal with tips, success stories, and training classes—so even if you've never created marketing materials before, you'll be whipping up dazzling documents in no time. For optimal results, use HP Color Laser Glossy Brochure Paper or HP Color Laser Soft Gloss Presentation Paper.

Convenient color access controls

Color can make your business more professional, effective, and profitable—but it's important to keep printing costs in check. That's why HP engineers have developed color access controls to manage color capability in your device. You can assign color access by user and application or shut down color capability completely until needed for special projects. Selected teams can leverage the power of color, while those who don't need it automatically default to black-and-white printing. More information is available at www.hp.com/go/coloraccess.

Award-winning HP support

HP's legendary customer service and support backs every printer with a limited one-year warranty; fast, knowledgeable online support available 24/7 at www.hp.com/support; and easy-to-access phone support provided by HP-trained agents. Plus, you can enhance your warranty protection with the purchase of affordable HP Care Pack Services.

Save time and do more

- HP Easy Printer Care Software 2.0 is your one-stop management solution for up to 15 HP LaserJet printers and MFPs. Perform multiple tasks with one tool: easily view the status of one or multiple devices, set up printer and supply alerts, generate basic usage reports, and reorder supplies via HP SureSupply[5] with the click of a button. In addition, HP Instant Support and HP Software Update provide fast, online help from your desktop. More information is available at www.hp.com/go/easyprintercare.

- Businesses have a huge investment in their print resources, and providing and managing end-user access to these resources can be a full-time job for busy IT professionals. The HP Universal Print Driver Series for Windows can alleviate such headaches with a single, intelligent driver that replaces individual drivers for most HP networked printers. For more information and to download the driver for free, go to www.hp.com/go/universalprintdriver.

100 million HP LaserJet printers shipped

No one has supplied more printers to more people than HP. For more than 20 years, HP has introduced innovative laser printing products. And now, HP celebrates shipment of the 100 millionth HP LaserJet printer. HP printers offer proven reliability, award-winning service and support, and the broadest portfolio of printing solutions in the industry. Count on the legendary quality of HP LaserJet printers.

---

[4] HP Marketing Assistant Software is available online at www.hp.com/go/marketingassistant.

[5] Program features and availability may vary by country. For more information, visit www.hp.com/learn/suresupply. Order consolidation available with HP Easy Printer Care Software installed or through HP Web Jetadmin Report Generation Plug-in.

HP Color LaserJet CP4005 Printer series

Technical specifications	HP Color LaserJet CP4005n printer (CB503A)	HP Color LaserJet CP4005dn printer (CB504A)
Print speed	Up to 30 ppm black-and-white, up to 25 ppm color[6]	
First page out	As fast as 10 seconds	
Print resolution	600 by 600 dpi, HP ImageREt 3600	
Processor	533 MHz MIPS	
Memory, standard	128 MB RAM	256 MB RAM
Memory, maximum	512 MB RAM	
Durability rating	Recommended monthly page volume: 2,000 to 7,500[7] Duty cycle: Up to 80,000[8]	
Paper		
Handling	100-sheet multipurpose tray 1, 500-sheet tray 2, optional 500-sheet tray 3	100-sheet multipurpose tray 1, 500-sheet tray 2, optional 500-sheet tray 3
Output	500-sheet face-down output bin	
Duplex printing	Manual two-sided printing	Automatic two-sided printing
Sizes	100-sheet multipurpose tray 1: 76 by 127 mm (3 by 5 in) to 216 by 356 mm (8.5 by 14 in); letter, legal, statement, executive, executive, envelopes (Monarch) Automatic two-sided printing and 500-sheet input trays: 148 by 210 mm (5.8 by 8.3 in) to 216 by 356 mm (8.5 by 14 in); letter, legal, executive	
Weights	100-sheet multipurpose tray 1: 60 to 220 g/m² (16 to 58 lb bond) 500-sheet tray 2 and optional 500-sheet tray 3: 60 to 120 g/m² (16 to 32 lb bond) Automatic two-sided printing: 60 to 120 g/m² (16 to 32 lb bond)	
Types	100-sheet multipurpose tray 1: paper (plain, glossy, colored, preprinted, letterhead, recycled, HP tough, and high gloss laser), envelopes, transparencies, labels, cardstock 500-sheet input trays: paper (plain, glossy, colored, preprinted, letterhead, recycled, HP tough, and high gloss laser), transparencies, labels	
Connectivity		
Interfaces	Hi-Speed USB 2.0 port HP Jetdirect Fast Ethernet embedded print server	
Languages and fonts	HP PCL6, HP PCL5c, HP postscript level 3 emulation, direct PDF printing v 1.4 93 internal TrueType fonts scalable in HP PCL and HP postscript level 3 emulation	
Operating systems	Certified for Windows Vista®, Windows 2000, XP Home, XP Professional, XP Professional x64, Server 2003; Mac OS X v10.3.9, v10.4 or later, PowerPC G3, G4, G5, and Intel Core processor	
Network protocols	TCP/IP, IP Direct Mode, LPD printing, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Mac OS X v10.3.9, v10.4 or later, PowerPC G3, G4, G5, and Intel Core processor For external value-featured print servers: TCP/IP, IPX/SPX direct mode, AppleTalk, IP Direct Mode, LPD printing, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Mac OS X v10.3.9, v10.4 or later, PowerPC G3, G4, G5, and Intel Core processor For external full-featured print servers: TCP/IP, IPX/SPX, AppleTalk, DLC/LLC, IP Direct Mode, LPD, FTP Printing, IPP, Netware NDS, Bindery, NDPS, iPrint, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Mac OS X v10.3.9, v10.4 or later, PowerPC G3, G4, G5, and Intel Core processor	
Dimensions (w by d by h)	20.5 in by 23.5 in by 22.9 in (521 mm by 598 mm by 582 mm)	20.5 in by 23.5 in by 24.7 in (521 mm by 598 mm by 628.6 mm)
Weight	105.1 lb (47.7 kg)	107.8 lb (48.9 kg)
What's in the box	HP Color LaserJet CP4005n printer, 100-sheet multipurpose tray 1, 500-sheet input tray 2, power cable, software drivers and documentation on CD-ROM, in-box documentation (Getting Started Guide), full-capacity 7,500-page[9] black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere toner, HP Jetdirect Fast Ethernet embedded print server	HP Color LaserJet CP4005dn Printer, 100-sheet multipurpose tray 1, 500-sheet input tray 2, power cable, software drivers and documentation on CD-ROM, in-box documentation (Getting Started Guide), full-capacity 7,500-page[9] black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere toner, HP Jetdirect Fast Ethernet embedded print server

Environmental ranges	Maximum	10 to 30 degrees C (50 to 86 degrees F) 10 to 80 percent relative humidity
	Recommended	17 to 25 degrees C (62.6 to 77 degrees F) 30 to 70 percent relative humidity
Altitude		0 to 2300 m (0 to 7500 ft)
Sound power		Power: active: 6.7 B(A); Ready: 7.7 B(A)
Bystander sound pressure		Pressure (bystander): active: 50 dB(A), standby: 31 d(B)A
Power consumption[10]	110-volt models	110 to 127 V (±10 percent), 50/60 Hz (±2 Hz)
	220-vold models	220 to 240 V (±10 percent), 50/60 Hz (±2 Hz)
		Typical Electricity Consumption (TEC): 4.615 kWh/Week
	Active	567 watts
	Standby	55 watts
	PowerSave	17 watts
	Off	0.3 watts
Power certifications		EMC: CISPR 22: 1993/A1, A2; EN 55022: 1994/A1, A2 Class B; EN 61000-3-2: 2000; EN 61000-3-3: 1995/A1; EN 55024: 1998/A1, A2; FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 4/GB9254-1998, GB17625.1-1998; EMC Directive 89/336/EEC, the Low Voltage Directive 73/23/EEC and carries the CE-Marking accordingly Safety: Canada (cUL-CAN/CSA C22.2 No.60950-00), Mexico (NOM NYCE-NOM 019 SCFI), USA (UL-UL 60950; FDA-21 CFR Chapter 1 Subchapter J for lasers); Class 1 Laser/LED Product
Warranty		One-year, next-day, onsite warranty; no installation
HP SureSupply enabled		To learn more, please visit www.hp.com/go/SureSupply

[6] Exact speed varies depending on the system configuration, software application, driver and document complexity.

[7] 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.

[8] 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 to satisfy the demands of connected individuals or groups.

[9] All print cartridge page yields are based at five percent page coverage. For more information, visit www.hp.com/go/pageyield.

[10] 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.

Ordering information

Product	Number
HP Color LaserJet CP4005n printer	CB503A
HP Color LaserJet CP4005dn printer	CB504A
Connectivity	
HP Jetdirect ew2400 802.11g Wireless and Fast Ethernet external print server (USB 2.0)	J7951G
HP Jetdirect en3700 Fast Ethernet external print server (USB 2.0)	J7942G
Accessories	
HP 500-sheet paper input tray 3	Q7499A
HP printer stand	Q7501A
HP Color LaserJet Print Cartridges with HP ColorSphere Toner[9]	
HP Color LaserJet Black Print Cartridge (7,500 pages)	CB400A
HP Color LaserJet Cyan Print Cartridge (7,500 pages)	CB401A
HP Color LaserJet Yellow Print Cartridge (7,500 pages)	CB402A
HP Color LaserJet Magenta Print Cartridge (7,500 pages)	CB403A
Memory and storage	
128 MB 200-pin DDR DIMM	Q7721A
256 MB 200-pin DDR DIMM	Q7722A
512 MB 200-pin DDR DIMM	Q7723A
Cables	
HP USB 2.0 printer cable a-b, 2 meter (6 feet)	Q6264A
Maintenance kits	
110 volt image fuser	Q7502A
220 volt image fuser	Q7503A
110 volt image transfer kit	Q7504A
Service and support	
Onsite installation and network configuration	H2872E
3-year, next business day onsite service	UG825E
4-year, next business day onsite service	UG826E
5-year, next business day onsite service	UG827E
3-year, 4-hour, 9x5, onsite service	UG828E
4-year, 4-hour, 9x5, onsite service	UG835E
5-year, 4-hour, 9x5, onsite service	UG836E
3-year, 4-hour, 13x5, onsite service	UG829E
4-year, 4-hour, 13x5, onsite service	UG830E
5-year, 4-hour, 13x5, onsite service	UG831E
1-year, post warranty, next business day onsite	UG832PE
1-year, post warranty, 4-hour, 9x5, onsite service	UG834PE
1-year, post warranty, 4-hour, 13x5, onsite service	UG833PE
1-year, post warranty, phone and online assistance	HC130PE
Paper	
www.hp.com/go/paper USA: 1-800-477-5010	
Printer software	
HP Web Jetadmin: www.hp.com/go/webjetadmin	
HP Easy Printer Care Software: www.hp.com/go/easyprintercare	
HP Universal Print Driver for Windows: www.hp.com/go/universalprintdriver	
HP Install Network Printer Wizard: www.hp.com/go/inpw_sw	
Solutions	
www.hp.com/go/gsc	

For more information visit our website at www.hp.com

4AA0-6876ENUC, 1/2008, Rev. 2.0

hp invent