



HP Color LaserJet CP2020 Printer series

CP2025 • CP2025n • CP2025dn • CP2025x



Improve your business image and turn printed pages into customers with HP's best value color LaserJet printer designed for small businesses.

Enhances productivity

Enjoy color printing without sacrificing speed with the HP Color LaserJet CP2020 Printer series. Get your output and return to work quickly with fast black and color print speeds of up to 21 ppm, letter (20 ppm, A4). Start fast and finish sooner. Typical office print job Time To Completion can be nearly three times faster with Instant-on Technology.¹

Avoid interruptions and increase productivity with proactive printer management. HP ToolboxFX provides easy access to printer settings, status information, the user guide, and self-help and troubleshooting tips. Shop anytime with a desktop icon that links to HP SureSupply,² where you'll see a list of cartridges that work with your printer.

Rely on dependable network printing with built-in Ethernet/Fast Ethernet networking on the CP2025n, CP2025dn, and CP2025x models.

¹ Instant-on Technology uses cutting-edge fuser technology to produce the first page faster when a printer is coming out of low power mode so your print job is done sooner. 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 Program features and availability may vary by country. For more information, visit www.hp.com/learn/suresupply.

³ The HP Marketing Resources Software may be downloaded for free through the URL included with the printer's installation software. For more information, visit www.hp.com/go/ihm.

Easy to use and affordable

Print professional-quality brochures and more at your desk. With free HP marketing tools, you can easily create high-impact marketing materials on your own, without a design agency or copy shop.³ HP Print View allows you to see various print settings applied to your document before you print—saving money and preventing waste by eliminating unnecessary test drafts.

Now you can control your marketing materials and your budget. By taking care of the simpler projects and revisions right in your office, you'll save money so you can dedicate your marketing budget to more complex promotions.

Print-shop quality color

With HP ColorSphere toner, immediately see the difference in your documents with sharper text and graphics and vibrant, attention-grabbing color. Count on consistently outstanding color with the printer's HP ImageREt 3600 technology; it's the difference between color that looks good, and color that looks exceptional.

HP Color LaserJet CP2020 Printer series

- 1 150-sheet output bin
- 2 One-door access to the four individual easy-to-replace print cartridges
- 3 50-sheet multipurpose tray
- 4 Built-in automatic two-sided printing
- 5 250-sheet input tray
- 6 2-line, 16-character backlit display provides instant device and supplies information
- 7 Power button
- 8 Built-in Ethernet/Fast Ethernet networking
- 9 Hi-Speed USB 2.0 port
- 10 128 MB of printing memory (expandable to 384 MB) and a powerful 540 MHz processor
- 11 Side DIMM door for adding additional memory

HP Color LaserJet CP2025dn Printer shown. CP2025x model, with additional 250-sheet input tray 3, shown in "Series at a glance" table below.



Front view



Rear view

ColorSphere
HP TONERS

Series at a glance



CP2025



CP2025n



CP2025dn



CP2025x

	CP2025	CP2025n	CP2025dn	CP2025x
Part number	CB493A	CB494A	CB495A	CB496A
50-sheet multipurpose tray 1 and 250-sheet input tray 2	√	√	√	√
250-sheet tray 3	Optional	Optional	Optional	√
Ethernet/Fast Ethernet networking	Not available	Built-in	Built-in	Built-in
Two-sided printing	Manual	Manual	Automatic	Automatic

Count on HP technology to help your printer and your business run smoothly.



Simple and intuitive operation

Get the results you want every time you print with the print driver's new, radically simple task-based interface. See optimized output quality for each of the many supported media types. With a single click, select from a collection of pre-configured Printing Shortcuts—including settings for general everyday printing, envelopes, cardstock, glossy paper, and more.

The printer is supported by the HP Universal Print Driver for Windows, the single driver that gives you instant access to HP printing devices, without downloading separate drivers.

Budget-friendly printing

Not only does this HP Color LaserJet printer have a great purchase price, but you can print black pages for the same cost as printing black pages on a black-and-white HP laser device.⁴ And you can still print in color!

When you create your professional documents right in your office, you'll spend a fraction of what you would at a copy shop. Determine costs beforehand for better project planning and decision-making with the HP Print Cost Estimator.

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



Upgrade the CP2025 and share the printer among multiple users with the HP USB Network Print Adapter (Q6275A).



Sharing network-capable HP peripherals is a snap with the HP Wireless Print Server (Q6301A/Q6302A).



Get added media flexibility and increase the total input capacity to 550 sheets with the 250-sheet input tray 3 (CB500A).



HP's all-in-one print cartridges and toner are specifically designed with the printer 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 toner⁵

HP Color LaserJet Black Print Cartridge	CC530A
HP Color LaserJet Cyan Print Cartridge	CC531A
HP Color LaserJet Yellow Print Cartridge	CC532A
HP Color LaserJet Magenta Print Cartridge	CC533A

Paper handling

250-sheet input tray 3	CB500A
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Memory/storage

64 MB DDR2 144-pin SDRAM DIMM	CB421A
128 MB DDR2 144-pin SDRAM DIMM	CB422A
256 MB DDR2 144-pin SDRAM DIMM	CB423A

Connectivity

USB Hi-Speed printer cable (2-meter)	Q6264A
HP USB Network Print Adapter	Q6275A
HP Wireless Print Server (Latin America, North America)	Q6301A
HP Wireless Print Server (Africa, Asia-Pacific, Europe, Japan, Middle East)	Q6302A

Service and support⁶

HP 2-year Return to Depot Service	UL381E
HP 3-year Return to Depot Service	UL382E
HP 2-year 1-time Replacement Service	UL383E
HP 2-year Next Business Day Exchange Service	UL384E
HP 3-year Next Business Day Exchange Service	UL385E
HP 1-year Next Business Day Onsite Support	UL386E
HP 2-year Next Business Day Onsite Support	UL387E
HP 3-year Next Business Day Onsite Support	UL388E
HP 1-year Post-warranty Return Service	UL389PE
HP 1-year Post-warranty 1-time Replace Service	UL390PE
HP 1-year Post-warranty Next Business Day Exchange Service	UL391PE
HP 1-year Post-warranty Next Business Day Onsite Service	UL392PE
HP 1-year Post-warranty Phone and Online Assistance Service	HC127PE
HP Installation Personal LaserJet Service	H4513E
HP Network Installation Personal LaserJet Service	H3110E

Paper

North America: www.hp.com/go/paper
 Europe: www.hp.com/go/learnaboutsupplies
 Asia Pacific: www.hp.com/apac/printingsupplies
 Latin America: contact HP via phone:
 USA: 1-800-477-5010, Europe: +800 7644 7644,
 Asia: 65-6253-8500, Australia/New Zealand: 61-2997
 2299LAR, Brasil: sac 0800 70 300 70

Solutions

www.hp.com/go/qsc

⁴ Compared to HP LaserJet P2030 and P2050 Printer series. Assuming customer is printing at least 30 percent 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 or copied, and other factors.

⁵ Includes introductory print cartridges: average continuous composite cyan/yellow/magenta cartridge yield 1,200 pages and average continuous black cartridge yield 1,200 pages. Replacement cartridges: average continuous composite cyan/yellow/magenta cartridge yield 2,800 standard pages and average continuous black cartridge yield 3,500 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.

⁶ Availability may vary by region. For more information, visit www.hp.com/services/printer.

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Technical specifications	HP Color LaserJet CP2025 Printer (CB493A)	HP Color LaserJet CP2025n Printer (CB494A)	HP Color LaserJet CP2025dn Printer (CB495A)	HP Color LaserJet CP2025x Printer (CB496A)
Print speed ⁷	Black-and-white and color: up to 21 ppm, letter; up to 20 ppm, A4			
Document delivery speed	First page out: black-and-white: as fast as 17.8 seconds from Ready and low power modes (A4 and letter); color: as fast as 17.6 seconds from Ready and low power modes (letter), as fast as 17.8 seconds from Ready and low power modes (A4) Time To Completion for a typical office print job: as fast as 27.8 seconds, letter; as fast as 28.2 seconds, A4 ⁸			
Print resolution	Up to 600 by 600 dpi; HP ImageREt 3600			
Processor	540 MHz			
Memory	128 MB RAM standard, expandable to 384 MB RAM via one open 144-pin DDR2 DIMM slot			
Durability ratings	Recommended monthly volume: 750 to 2,000 pages; ⁹ Duty cycle: up to 40,000 pages ¹⁰			
Paper				
Input	50-sheet multipurpose tray 1, 250-sheet tray 2, optional 250-sheet tray 3			50-sheet multipurpose tray 1, 250-sheet tray 2, 250-sheet tray 3
Output	150-sheet output bin			
Two-sided printing	Manual		Automatic	
Sizes	Multipurpose tray 1: A4, A5, A6, B5 (JIS), 16K, 10 by 15 cm; letter, legal, executive, 8.5 by 13 in, 3 by 5 in, 4 by 6 in, 5 by 8 in, postcards (Standard #10, JIS Single, JIS Double), envelopes (No 10, Monarch, ISO DL, ISO C5, ISO B5); custom: 76 by 127 mm (3 by 5 in) to 216 by 356 mm (8.5 by 14 in) Input trays 2 and 3: A4, A5, A6, B5 (JIS), 16K, 10 by 15 cm; letter, legal, executive, 8.5 by 13 in, 4 by 6 in, 5 by 8 in, postcards (JIS Single, JIS Double), envelopes (No 10, Monarch, ISO DL, ISO C5, ISO B5); custom: 100 by 148 mm (3.94 by 5.83 in) to 216 by 356 mm (8.5 by 14 in) Automatic duplexer: A4, B5 (JIS), 182 mm by 257 mm; letter, legal, 8.5 by 13 in			
Weights	Multipurpose tray 1: 60 to 176 g/m ² (up to 220 g/m ² with HP laser glossy photo papers); 16 to 47 lb (up to 58 lb with HP laser glossy photo papers) Input trays 2 and 3: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 220 g/m ² with HP laser glossy photo papers); 16 to 43 lb (up to 47 lb with postcards, up to 58 lb with HP laser glossy photo papers) Automatic duplexer: 60 to 163 g/m ² ; 16 to 43 lb			
Types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes			
Connectivity				
Interfaces	One Hi-Speed USB 2.0 port		One Hi-Speed USB 2.0 port, built-in Ethernet/Fast Ethernet networking	
Languages and fonts	Languages: HP PCL 6, HP PCL 5c, HP postscript level 3 emulation; fonts: 80 scalable TrueType fonts			
Client operating systems	Microsoft® Windows® 2000, Windows XP® Home, Windows XP Professional, Windows Server 2003, Certified for Windows Vista®, Windows XP Media Center, Windows XP Professional x64; Mac OS X v10.2.8, v10.3, v10.4, or higher			
Network operating systems	Windows 2000, Windows XP Home, Windows XP Professional, Windows XP 64-bit, Windows Server 2003/2008, Certified for Windows Vista; Mac OS X v10.2.8, v10.3, v10.4, v10.5; Red Hat/SuSE Linux 6.x or higher; Novell NetWare 3.2 or higher (NDPS-TCP/IP only); Citrix MetaFrame; Windows Terminal Services ¹¹			
Network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP/IP port 9100 Direct Mode, LPD (raw que support only), Web Services Printing; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv1, HTTP			
Security	Password-protected network embedded web server, color lockout			
Dimensions (w by d by h)	405 by 454 by 322 mm (15.9 by 17.9 by 12.7 in)		405 by 484 by 422 mm (15.9 by 19.1 by 16.6 in)	
Weight (includes print cartridges)	22.7 kg (50.0 lb)		23.9 kg (52.7 lb)	
What's in the box	Printer, power cable, CD (includes User's Guide and printer software), Getting Started Guide, HP Color LaserJet Black, Cyan, Magenta, and Yellow introductory print cartridges with HP ColorSphere toner, ¹² HP Marketing Starter Kit (specialty media samples, discounts to partner offerings, document templates)			
Also includes	Built-in Ethernet/Fast Ethernet networking		Built-in Ethernet/Fast Ethernet networking, automatic two-sided printing	
Warranty	One-year, return to authorized service center, limited warranty; telephone and Web support (varies according to region)			
Environmental ranges	Recommended temperature: 15 to 27 degrees C (59 to 80.6 degrees F) Storage temperature: -20 to 40 degrees C (-4 to 104 degrees F) Recommended relative humidity: 20 to 70 percent (non-condensing) Storage relative humidity: 10 to 95 percent (non-condensing) Altitude: Up to 2,743 m (up to 9,000 ft)		Typical Electricity Consumption (TEC): 1.937 kWh/Week ENERGY STAR® qualified models, see www.hp.com/go/energystar	
Acoustics	Sound power ¹³ : Active (printing at 20 ppm): 6.6 B(A); Ready: 3.1 B(A) Bystander sound pressure: Active: 53 dB(A); Ready: inaudible		Certifications Safety: IEC 60950-1 (International), EN 60950-1+A11 (EU), IEC 60825-1+A1+A2, UL/cUL Listed (US/Canada), GS license (Europe), EN 60825-1+A1+A2 (Class 1 Laser/LED Device) GB4943-2001, Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries	
Power specifications	Required input voltage: 115 to 127 V (±10 percent), 60 Hz (±2 Hz), 12 A 220 to 240 V (±10 percent), 50 Hz (±2 Hz), 6 A Power consumption ¹⁴ : Active: 445 watts; Ready: 18 watts; Sleep: 6.7 watts; Off: 0.48 watts		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), GB9254-1998, EMC Directive 2004/108/EC with CE Marking (Europe); other EMC approvals as required by individual countries	
	Works with HP SureSupply. To learn more, visit www.hp.com/learn/suresupply			

⁷ Exact speed varies depending on system configuration, software application, driver, and document complexity.

⁸ Instant-on Technology uses cutting-edge fuser technology to produce the first page faster when a printer is coming out of low power mode so your print job is done sooner. 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.

⁹ 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.

¹⁰ 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.

¹¹ Not all protocol and operating system configurations are supported. For more information, go to www.hp.com/support/net_printing.

¹² Introductory cartridges: Average continuous composite cyan/yellow/magenta cartridge yield 1,200 pages and average continuous black cartridge yield 1,200 pages. Replacement cartridges: Average continuous composite cyan/yellow/magenta cartridge yield 2,800 standard pages and average continuous black cartridge yield 3,500 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.

¹³ Configuration tested: base model, simplex printing, A4 paper at an average of 20 ppm. Values are subject to change. For current information see www.hp.com/support.

¹⁴ Values subject to change. See www.hp.com/support for current information. Power numbers are the highest values measured using all standard voltages.



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