# HP LaserJet Pro 400 color Printer M451dw



### Ordering Information

Commercial model number: CE958A (BGJ)

Canada model number: CE958A

### Sidebar

### In the box:

Introductory print cartridges (1 each black, cyan, magenta and yellow)<sup>3</sup>
Hardware installation guide Software drivers and documentation on CD-ROM Power cord
Built-in automatic duplexer for two-sided printing
Built-in wireless card
USB cable

### Software:

### Windows-compatible:

HP Installer/Uninstaller HP PCL 6 print driver Status Alerts HP Update DXP

### Mac-compatible:

HP Installer/Uninstaller

HP Postscript driver

**HP Setup Assistant** 

**HP Utility** 

**HP Alerts** 

**HP Firmware Updater** 

### **Standard warranty:**

1 year, Return to HP Authorized Service Center

### Replaces

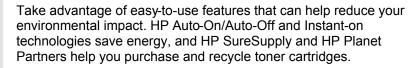
HP Color LaserJet CP2025n Printer	CB494A Compare
HP Color LaserJet CP2025dn Printer	CB495A Compare
HP Color LaserJet CP2025x Printer	CB496A Compare

Get professional color documents, wireless<sup>1</sup> and network sharing, and automatic two-sided printing.

Make an impression with professional color marketing materials created in house. Enjoy high productivity and great print speeds on a variety of laser media. Get the same black printing cost per page as from a black-and-white HP LaserJet.<sup>2</sup>



Maximize your productivity with a versatile color laser printer. Easily manage networked resources, using convenient, intuitive setup and easy-to-use management features.





Enlarge Image

## **Compatible Operating Systems**

### **Standard Desktop**

Windows XP Windows Server 2003 Windows Server 2008 Windows Vista® Windows® 7	32-bit (SP2 or higher) 32-bit (SP3 or higher) 32/64-bit 32/64-bit 32/64-bit
Mac OS Other	Mac OS X v 10.5, 10.6 Linpus Linux (9.4, 9.5), Red Hat Enterprise Linux 5.0 (supported with a pre-built package); SUSE Linux (10.3, 11.0, 11, 11.1, 11.2), Fedora (9, 9.0, 10, 10.0, 11.0, 11, 12, 12.0), Ubuntu (8.04, 8.04.1, 8.04.2, 8.10, 9.04, 9.10, 10.04), Debian (5.0, 5.0.1, 5.0.2, 5.0.3) (supported by the automatic installer); HPUX 11 and Solaris 8/9

### **Standard Network**

Windows XP	32-bit (SP2 or higher)
Windows Server 2003	32-bit (SP3 or higher)
Windows Server 2008	32/64-bit
Windows Vista®	32/64-bit
Windows® 7	32/64-bit
Other	Mac OS X v 10.5, 0.6; Linpus Linux (9.4, 9.5), Red Hat Enterprise Linux 5.0 (supported with a pre-built package); SUSE Linux (10.3, 11.0, 11, 11.1, 11.2), Fedora (9, 9.0, 10, 10.0, 11.0, 11, 12, 12.0), Ubuntu (8.04, 8.04.1, 8.04.2, 8.10, 9.04, 9.10, 10.04), Debian (5.0, 5.0.1, 5.0.2, 5.0.3) (supported by the automatic installer); HPUX 11 and Solaris 8/9

# Recommended Care Pack Services

Installation with Network Setup Service

H3110E

Next Business Day Exchange: 3 years

U1H88E

### **Optional Care Pack Services**

Installation with Network Setup Service

H3110E

Next Business Day Exchange: 3 years

U1H88E

Post Warranty

Service,
Remote User
Assistance
Support: 1

HC127PE

Post Warranty Service, Next

year

Day Exchange: 1 year U1H98PE

Sales	www.hp.com
	Data Sheet CE958A
Technical Support	www.hp.com/support
Third-party solutions	www.hpgsc.com
Reseller	http://hp.com/partners/us
Services	http://www.hp.com/go/services
Supplies and accessories	www.hp.com

# **Brand Specifications**

### **PRINTER**

Print Technology	Laser
Print Speed Black, Letter:	
ISO/Best Quality	Up to 21 ppm⁴
Print Speed Color, Letter:	· · · · · · · · · · · · · · · · · · ·
ISO/Best Quality	Up to 21 ppm⁴
First Page Out	As fast as 17 sec black and color from Ready mode
Processor	600 MHz
Paper Trays, Std	2
Paper Trays, Max	3
Input Capacity, Std	300 sheets
Input Capacity, Max	550 sheets
Output Capacity, Std	150 sheets
Output Capacity, Max	150 sheets
Envelope Input, Std	10
Envelope Feeder	No
Two-Sided Printing	Automatic (standard)
Typefaces	80 scalable TrueType fonts
Prints Color	Yes
Print Quality, Color Best	Up to 600 x 600 dpi
Print Resolution Technology	HP ImageREt 3600
Print Languages, Std	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation
Printer Management	Windows: HP Device Toolbox (default install), SNP Alerts (minimum network install), HP Web Jetadmin (download); Mac: HP Utility
Display Type	2-line LCD (text)

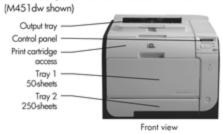
### **GENERAL**

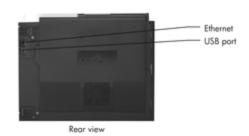
Duty Cycle, Monthly	Up to 40,000 pages⁵
Recommended Monthly Volume	750 to 2,000 pages <sup>6</sup>
Media Types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, transparencies, labels, envelopes
Media Sizes, Std	Tray 1: letter, legal, executive, 8.5 x 13 in, 3 x 5 in, 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); tray 2, optional tray 3: letter, legal, executive, 8.5 x 13 in, 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); automatic duplexer: letter, legal, executive, 8.5 x 13 in
Media Sizes, Std, Metric	Tray 1: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5); tray 2, optional tray 3: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5); automatic duplexer: A4, B5
Media Sizes, Custom	Tray 1: 3 x 5 in to 8.5 x 14 in; tray 2, optional tray 3: 3.94 x 5.83 in to 8.5 x 14 in
Media Sizes, Custom, Metric	Tray 1: 76 x 127 to 216 x 356 mm; tray 2,

optional tray 3: 100 x 148 to 216 x 356 mm

Media Weights	Tray 1: 16 to 47 lb (up to 58 lb with HP color laser glossy photo papers); tray 2, optional tray 3: 16 to 43 lb (up to 47 lb with postcards, up to 58 lb with HP color laser glossy photo papers); automatic duplexer: 16 to 43 lb
Media Weights, Metric	Tray 1: 60 to 176 g/m² (up to 220 g/m² with postcards and HP color laser glossy photo papers); tray 2, optional tray 3: 60 to 163 g/m² (up to 176 g/m² with postcards); automatic duplexer: 60 to 163 g/m²
Connectivity, Std	Hi-Speed USB 2.0, Fast Ethernet 10/100Base- TX network, wireless 802.11 b/g/n
Connectivity, Opt	None
Mobile Printing Capability	HP ePrint, Wireless direct printing, Apple AirPrint™
Memory, Std	128 MB
Memory, Max	384 MB
Hard Disk Drive	None
Power Supply Type	Internal (Built-in) power supply
Power Supply Required	Input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz)
Power Consumption	425 watts (Active), 15.2 watts (Ready), 4.0 watts (Sleep), 0.5 watts (Off) <sup>Z</sup>
Typical Electricity Consumption (TEC)	1.509 kWh/Week
ENERGY STAR® Qualified	Yes
Mac Compatible	Yes
Dimensions (W x D x H)	15.9 x 27.1 x 12.7 in (maximum), 15.9 x 19.1 x
	12.7 in (minimum)
Weight	52.1 lb
Dimensions, Metric	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum)
Dimensions, Metric Weight, Metric	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg
Dimensions, Metric Weight, Metric Shipping Dimensions	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in
Dimensions, Metric Weight, Metric Shipping Dimensions Shipping Weight	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb
Dimensions, Metric  Weight, Metric Shipping Dimensions Shipping Weight Shipping Dimensions, Metric	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb 595 x 495 x 462 mm
Dimensions, Metric  Weight, Metric Shipping Dimensions Shipping Weight Shipping Dimensions, Metric Shipping Weight, Metric	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb 595 x 495 x 462 mm 28.2 kg
Dimensions, Metric  Weight, Metric Shipping Dimensions Shipping Weight Shipping Dimensions, Metric Shipping Weight, Metric Pallet Dimensions	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb 595 x 495 x 462 mm 28.2 kg 47.2 x 39.6 x 97.4 in
Dimensions, Metric  Weight, Metric Shipping Dimensions Shipping Weight Shipping Dimensions, Metric Shipping Weight, Metric Pallet Dimensions Pallet Dimensions, Metric	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb 595 x 495 x 462 mm 28.2 kg 47.2 x 39.6 x 97.4 in 1200 x 1000 x 2474 mm
Dimensions, Metric  Weight, Metric Shipping Dimensions Shipping Weight Shipping Dimensions, Metric Shipping Weight, Metric Pallet Dimensions Pallet Dimensions, Metric Pallet Weight	52.1 lb 405 x 689 x 322 mm (maximum), 405 x 484 x 322 mm (minimum) 23.64 kg 23.42 x 19.48 x 18.18 in 62 lb 595 x 495 x 462 mm 28.2 kg 47.2 x 39.6 x 97.4 in 1200 x 1000 x 2474 mm 1290.7 lb
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### HP LaserJet Pro 400 color M451





### Accessories

### **HP Universal Print Driver for Windows 5.2**

HP Universal Print Driver for Windows (J7980A/J7981A)

### Memory and mass storage

HP 256 MB DDR2 144-pin DIMM (CB423A)

### Paper-handling accessories

HP LaserJet 250-sheet Paper Feeder (CF106A)

### LaserJet font solutions

HP BarCodes and More/144-pin DIMM (HG281GS)

HP MICR Font/144-pin DIMM (HG283GS)

# **Compatible Supplies**

#### HP 305X 2-pack High Yield Black Original LaserJet Toner Cartridges (CE410XD) HP 305A Cyan Original LaserJet Toner Cartridge (CE411A) HP 305A Yellow Original LaserJet Toner Cartridge (CE412A) HP 305A Magenta Original LaserJet Toner Cartridge (CE413A) HP 305A 3-pack Cyan/Magenta/Yellow Original LaserJet Toner Cartridges (CF370AM) Compatible Paper Products **Top Recommended Papers HP Premium Glossy Presentation Paper CG988A** 8.5 x 11 in 250 sheets **HP Laser Glossy Brochure Paper** 8.5 x 11 in 52 lb 100 sheets Q6608A 8.5 x 11 in 40 lb 150 sheets Q6611A **HP Premium Choice Laser Paper** 8.5 x 11 in 500 sheets HPU1132 32 lb **HP Brochure and Presentation Papers HP Laser Matte Brochure Paper** 8.5 x 11 in 52 lb 100 sheets Q8824A 8.5 x 11 in 40 lb 150 sheets Q6543A **HP Everyday Papers HP Premium Choice Laser Paper** 8.5 x 11 in **HPU1132** 32 lb 500 sheets **HP LaserJet Paper** 500 sheets 8.5 x 11 in 24 lb **HPJ1124** 8.5 x 11 in 24 lb 2,500 sheets (5 reams) HPJ115R **HP All-in-One Printing Paper** 8.5 x 11 in 22 lb 500 sheets **HPT1122** 8.5 x 11 in 22 lb 2,500 sheets HPT115 **HP Multipurpose Paper** 8.5 x 11 in 20 lb 500 sheets <u>HPM1120R</u> 5,000 sheets (10 reams) 8.5 x 11 in 20 lb HPM1120C 8.5 x 11 in 20 lb 2,500 sheets (5 reams) HPM115RC 8.5 x 11 in, 3-hole punch 20 lb 500 sheets **HPM113H** 8.5 x 14 in 20 lb 500 sheets HPM1420 **HP Office Paper** 8.5 x 11 in 20 lb 2,500 sheets (5 reams) HPC115RC 20 lb 5,000 sheets (10 reams) HPC8511C 8.5 x 11 in HPC3HP 8.5 x 11 in, 3-hole punch 20 lb 500 sheets 8.5 x 14 in 20 lb 500 sheets HPC8514 8.5 x 11 in 20 lb 500 sheets **HPC8511R HP Office Quickpack** 20 lb 2,500 sheets HP2500S 8.5 x 11 in **HP Recycled Paper** 8.5 x 11 in 20 lb 500 sheets **HPE1120R** 8.5 x 11 in 20 lb 5,000 sheets (10 reams) **HPE1120C HP Business Copy Paper** 8.5 x 11 in 20 lb 500 sheets HPBC11 **HP Everyday Copy and Print Paper** 8.5 x 11 in 500 sheets 20 lb HPA510

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such

**HP LaserJet Cartridges and Kits** 

HP 305A Black Original LaserJet Toner Cartridge (CE410A)

HP 305X High Yield Black Original LaserJet Toner Cartridge (CE410X)

products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

- 1. Wireless performance is dependent upon physical environment and distance from access point, and may be limited during active VPN connections.
- 2. Compared with HP LaserJet Pro P1606dn printer. Assuming customer is printing at least 30 percent of total pages in color with content similar to the color ISO/IEC 19798 test suite (http://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.
- 3. Introductory cartridges: average continuous composite cyan/yellow/magenta cartridge yield 1,400 pages and average continuous black cartridge yield 1,400 pages. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/ go/learnaboutsupplies
- 4. Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver and document complexity.
- 5. 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.
- 6. 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.
- 7. 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.