

Produce professional-quality color documents with ease and fast speed. Easily integrate into your office or wireless home network. Save paper with automatic twosided printing. And print from virtually anywhere with HP ePrint.3

Print Speed¹: Up to 21 ppm black (letter), Up to 21 ppm color (letter)

Print Resolution: Up to 600 x 600 dpi

Print Technology Resolution: HP ImageREt 3600

Standard Connectivity: 1 Hi-Speed USB 2.0 port, 1 Fast Ethernet 10/100Base-TX network

port, 1 WiFi 802.11 b/g/n Display: 2-line LCD (text)

Monthly Volume (Duty Cycle): Up to 40,000 pages **Duplex Print Options:** Automatic (standard)

Paper Handling: 50-sheet multipurpose tray, 250-sheet input tray 2, 150-sheet output bin





Professional-grade speed and color

- Boost productivity and save time with print speeds up to 21 ppm letter.1
- Produce bold text and smooth color with HP ImageREt 3600 and Original HP LaserJet toner cartridges.
- Produce color marketing materials in-house on a range of media sizes by using tips and templates from HP.
- Print documents affordably. Get the same black cost per page as a black-and-white HP LaserJet printer.4



Manageability, productivity, and mobility

- Conserve resources and save paper, using automatic two-sided printing.
- Proactively manage office printing with HP Web Jetadmin.
- Conveniently locate the printer anywhere in the office, using built-in wireless connectivity.² Share printing resources, using built-in Ethernet.
- Print from virtually anywhere with HP ePrint.3



- Reduce energy use with HP Auto-On/Auto-Off Technology.⁵ Also save with Instant-on Technology.7
- Start right away with HP Smart Install.⁶ Use HP Auto Wireless Connect to autoconfigure networking.²
- · Receive consistent results with Original HP cartridges and easily reorder with HP SureSupply.8
- Take advantage of free, easy recycling cartridges returned through HP Planet Partners are recycled responsibly.

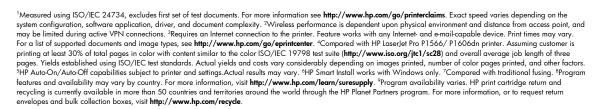


- Save energy—HP Auto-On/Auto-Off Technology turns your printer on when you need it, off when you don't.1
- Reduce paper use by up to 50%, using automatic two-sided printing.
- Lower your impact—reduce energy and paper use with HP EcoSMART Console.

ENERGY STAR® avalified

¹HP Auto-On/Auto-Off capabilities subject to printer and settings

ww.hp.com/la/ecosolutions

















TECHNICAL SPECIFICATIONS

PRINT TECHNOLOGY	Laser
PRINT SPEED ¹	Black (Normal, letter): Up to 21 ppm; Color (Normal, letter): Up to 21 ppm; First Page Out ² : As fast as 17 sec Color (letter, ready), As fast as 17 sec black (letter, ready)
PRINT RESOLUTION	Black (Best): Up to 600 x 600 dpi; Black (Normal): Up to 600 x 600 dpi; Color (Best): Up to 600 x 600 dpi
PRINT TECHNOLOGY RESOLUTION	HP ImageREt 3600
DUPLEX PRINT OPTIONS	Automatic (standard)
HP ePrint CAPABILITY	Yes
MOBILE PRINTING CAPABILITY	HP ePrint, Apple AirPrint™, Wireless Direct Print
STANDARD PRINT LANGUAGES	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation
NUMBER OF PRINT CARTRIDGES	4 (1 black A, 1 each cyan, magenta, yellow)
SURESUPPLY SUPPORTED ³	Yes
PRINTER MANAGEMENT	Windows: HP Device Toolbox (default install), SNP Alerts (minimum network install), HP Web Jetadmin (download); Mac: HP Utility
PRINTER SMART SOFTWARE FEATURES	HP ePrint, Apple AirPrint™, Wireless Direct Print, Smart Install, HP Auto- On/Auto-Off technology, Automatic two-sided printing
STANDARD	1 Hi-Speed USB 2.0 port, 1 Fast Ethernet 10/100Base-TX network port,
CONNECTIVITY	1 WiFi 802.11 b/g/n
WIRELESS CAPABILITY	Yes, built-in WiFi 802.11 b/g/n
NETWORK CAPABILITIES	Via built-in 10/100 Fast Ethernet, Wireless 802.11 b/g/n
CONTROL PANEL	2-line, 16-character backlit LCD display, 5 buttons (Cancel job, Left arrow, Right arrow, Select, Back), 2 LED lights (Attention, Ready)
FONTS AND TYPEFACES	84 scalable TrueType fonts
MEDIA TYPES SUPPORTED	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, transparencies, labels, envelopes
MEDIA SIZES SUPPORTED	Tray 1: A4, A5, A6, B5 (JIS), $16K$, 10×15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5); Tray 2, optional Tray 3: A4, A5, A6, B5 (JIS), $16K$, 10×15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5); Automatic duplexer: A4, B5
MEDIA WEIGHTS SUPPORTED	Tray 1: 60 to 176 g/m² (up to 220 g/m² with postcards and HP Color laser glossy photo papers); Tray 2, Tray 3 (optional): 60 to 163 g/m²
RECOMMENDED MEDIA	(up to 176 g/m² with postcards); Automatic duplexer: 60 to 163 g/m² 60 to 163 g/m² (16 to 43 lb)
WEIGHT	5 , ,
DUTY CYCLE (MONTHLY, LETTER) ⁴	Up to 40,000 pages
RECOMMENDED MONTHLY PAGE VOLUME ⁵	Up to 750 to 2,000 pages
DISPLAY	2-line LCD (text)
MAXIMUM/STANDARAD MEMORY	384 MB/128 MB
PAPER HANDLING	50-sheet multipurpose tray, 250-sheet input tray 2, 150-sheet output bin Input Capacity (Standard): Up to 300 Sheets, Up to 50 transparencies, Up to 10 envelopes Input Capacity (Maximum): Up to 550 Sheets (with optional tray 3) Output Capacity: Up to 150 Sheets, Up to 50 transparencies, Up to 20 envelopes
PROCESSOR	Processor Type: ARM1176; Processor Speed: 600 MHz
SOFTWARE INCLUDED	Windows: HP Installer/Uninstaller, HP PCL 6 print driver, Status Alerts, HP Update, DXP; Mac: HP Installer/Uninstaller, HP Postscript driver, HP Setup Assistant, HP Utility, HP Alerts, HP Firmware Updater

MINIMUM SYSTEM	PC: Microsoft® Windows® 7 (32-bit/64-bit), Windows Vista® (32-bit/64-bit): 1
REQUIREMENTS	GHz 32-bit (x86) or 64-bit (x64) processor, 1 GB RAM (32-bit) or 2 GB RAM
	(64-bit), 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or
	Network port; Windows® XP (32-bit) SP2: Pentium® 233 MHz processor, 512
	MB RAM 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or
	Network port;
	Mac: Mac OSX v 10.5, v 10.6, PowerPC G4, G5, or Intel® Core™ Processor,
	500 MB hard disk, CD-ROM/DVD-ROM or Internet, USB or Network port
COMPATIBLE	Full software installs supported on: Microsoft® Windows® 7 32-bit and 64-bit,
OPERATING	Windows Vista® 32-bit and 64-bit, Windows® XP 32-bit (SP2 or higher); Driver
SYSTEMS	only installs supported on: Microsoft® Windows® Server 2008 32-bit and 64-bit
	Windows® Server 2003 32-bit (SP3 or higher); Mac OS X v 10.5, v 10.6; Linp
	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
	and Solaris 8/9
OPERATING	Operating Humidity Range: 10 to 80% RH (non-condensing);
ENVIRONMENT	Recommended Humidity Operating Range: 20 to 70% RH (non-condensing);
	Operating Temperature Range: 15 to 30° C (59 to 86° F);
	Recommended Operating Temperature Range: 15 to 27° C (59 to 80.6° F);
	Storage Temperature Range: -20 to 40° C (-4 to 104° F);
ACOUSTIC ⁶	Non-Operating Humidity: 10 to 95% RH (non-condensing) Acoustic Power Emissions: 6.5 B(A);
ACOUSTIC	Acoustic Power Emissions (Ready): 4.1 B(A);
	Acoustic Pressure Emissions Bystander (Active, Printing): 51 dB(A);
	Acoustic Pressure Emissions Bystander (Ready): 27 dB(A)
POWER	Power Requirements: Input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3
TOWER	Hz); 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz);
	Power Supply Type: Internal (Built-in) power supply;
	Power Consumption7: 425 watts (Active), 15.2 watts (Ready), 4.0 watts (Sleep),
	0.5 watts (Off);
	Typical Electricity Consumption (TEC) Number: 1.509 kWh/Week
PRODUCT	W x D x H: 405 x 484 x 322 mm (15.9 x 19.1 x 12.7 in)
DIMENSIONS	Maximum: 405 x 689 x 322 mm (15.9 x 27.1 x 12.7 in)
PRODUCT WEIGHT	23.64 kg (52.1 lb)
SECURITY	Wireless: WEP (128 bit), WPA/WPA2 - Personal (AES, TKIP);
MANAGEMENT	Embedded Web Server: password-protection, secure browsing via SSL/TLS;
	Network: enable/disable network ports and features, SNMPv1 community
	password change;
	HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication,
	SASL authentication
WHAT'S IN THE	Printer, Four preinstalled introductory HP LaserJet toner cartridges (yield ~
BOX ⁸	1,400 pages), In-box documentation (Hardware installation guide), Software
	drivers and documentation on CD-ROMs, Power cord, Built-in Automatic
	duplexer for two-sided printing, Built-in Wireless Card, USB cable, warranty
WARRANTY	card (Brazil) One-year limited warranty, return to HP or authorized service provider
REPLACEMENT	HP 305A Black LaserJet Toner Cartridge (~ 2,200 pages), CE410A
CARTRIDGES ⁹	HP 305X Black LaserJet Toner Cartridge (~ 2,200 pages), CE410X HP 305X Black LaserJet Toner Cartridge (~ 4,000 pages), CE410X
CAKIKIDGE3	HP 305A Cyan LaserJet Toner Cartridge (~ 4,000 pages), CE410A HP 305A Cyan LaserJet Toner Cartridge (~ 2,600 pages) CE411A
	HP 305A Cyan LaserJet Toner Cartridge (~ 2,600 pages) CE411A HP 305A Yellow LaserJet Toner Cartridge (~ 2,600 pages) CE412A
	HP 305A Magenta LaserJet Toner Cartridge (~ 2,600 pages) CE412A HP 305A Magenta LaserJet Toner Cartridge (~ 2,600 pages) CE413A
ACCESSORIES	HP LaserJet 250-sheet Paper Feeder, CF106A
ACCESSORIES	HP 256 MB DDR2 144-pin DIMM, CB423A
HP CARE PACK	HP 3-year NBD Color LaserJet M451 Hardware Support, U1H90A
SERVICES	HP 1-year Post Warranty NBD Color LaserJet M451 Hardware Support,
	U1H96PA
	HP 1-year Post Warranty NBD Exchange Color LaserJet M451 Service,
	U1H98PA
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FOR MORE INFORMATION VISIT OUR WEBSITE AT WWW.HP.COM

HP LASERJET PRO 400 COLOR M451dw Product Number: CE958A

ENERGY STAR® qualified models; see http://www.hp.com/go/energystar

Neasured 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. Exact speed varies depending on the system configuration, software application, driver and document complexity. PEV sureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply. 4Duty 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. 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. Values are subject to change. For current information see Product Support page at http://www.hp.com/support. Configuration tested: simplex, mono. 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. Introductory cartridges included; yields ~ 1,400 color composite (C/Y/M) and black pages. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies. Ships with preinstalled introductory print cartridges (yield ~ 1,400 pages).

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