

HP LaserJet Pro 400 color Printer M451 series



Produce professional-quality colour documents with ease and speed. Seamlessly integrate into your office or wireless home network. Save paper with automatic two-sided printing² and print from virtually anywhere with HP ePrint³.



Highlights

- Print speed: 20 ppm colour
- 10/100 Ethernet standard
- 2-sided printing (M451dn)
- Wireless printing (M451nw)



20 ppm Color Printing



2-Sided Printing



HP ePrint



Wireless



Ethernet



Instant-on Technology

Enjoy high productivity with great print speeds and professional-quality colour.

- Boost productivity and save time with print speeds of up to 20 ppm A4.
- Produce crisp, detailed text and consistently smooth colour with HP ImageREt 3600 and Original HP LaserJet toner cartridges.
- Design and produce colour marketing materials in-house on a range of media sizes from 8.9 x 12.7 cm (3.5 x 5 inches) to 21.6 x 35.6 cm (8.5 x 14 inches). Go to www.hp.com/create for tips and templates from HP.
- Print documents affordably: get the same black cost per page as a black-and-white HP LaserJet printer⁴.

Manage networked resources using convenient, intuitive setup and easy-to-use management features.

- Install and proactively manage this printer remotely using HP Web Jetadmin.
- Get started right away with HP Smart Install – no CD required⁵.
- Use the printer anywhere in the office, with built-in wireless connectivity¹. Share printing on a network with built-in 10/100 Ethernet.
- Print from virtually anywhere with HP ePrint³. Print from a smartphone directly to your printer using HP wireless direct printing⁶, and print wirelessly from your iPad[®], iPhone[®], and iPod touch[®] with AirPrint^{™7}.

Reduce your environmental impact.

- Reduce energy use with HP Auto-On/Auto-Off Technology, which turns the printer on when you need it and off when you don't⁸. Save even more energy with Instant-on Technology⁹.
- Reduce waste and easily manage paper use with automatic two-sided printing².
- Save money and print for longer with Original HP high capacity black cartridges¹⁰, and easily reorder with HP SureSupply¹¹.
- Take advantage of free, easy recycling – cartridges returned through HP Planet Partners are recycled responsibly¹².

Technical specifications

Print speed	Up to 20 ppm ISO black (A4); Up to 20 ppm ISO colour (A4); Up to 10 ipm duplex black (A4) 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. First page out: As fast as 17 sec black (A4); As fast as 17 sec colour (A4)
Print resolution	Up to 600 x 600 dpi black; Up to 600 x 600 dpi colour
Print technology	Laser
Print Area	Print margins: Top: 4.23 mm; Bottom: 4.23 mm; Left: 4.23 mm; Right: 4.23 mm
Print languages	HP PCL 5c, HP PCL 6, HP Postscript Level 3 emulation
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Mobile printing capability	CE957A: HP ePrint, Apple AirPrint™; CE956A: HP ePrint, Apple AirPrint™, Wireless direct printing;
Monthly duty cycle	Up to 40,000 pages (A4); Recommended monthly page volume: 750 to 2000
Automatic paper sensor	No
Processor speed	600 MHz
Display	2-line LCD (text)
Wireless	CE957A: No; CE956A: Yes, built-in WiFi 802.11 b/g/n;
Network ready	CE957A: Standard (built-in Fast Ethernet); CE956A: Standard (built-in Fast Ethernet; WiFi 802.11 b/g/n);
Memory	Standard: 128 MB, Maximum 384 MB
Hard Disk	None
Media types	Paper (bond, brochure, coloured, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, transparencies, labels, envelopes
Media sizes	Supported Tray 1, Tray 2, optional Tray 3: A4, A5, A6, B5 (UIS), 10 x 15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5); Custom: Tray 1: 76 x 127 to 216 x 356 mm; Tray 2, optional Tray 3: 100 x 148 to 216 x 356 mm
Media Handling	Input capacity: Up to 300 sheets; Up to 10 envelopes envelopes Output capacity: Up to 150 sheets, Up to 20 envelopes Maximum: Up to 150 sheets
Compatible operating systems	Full software installs supported on: Windows 8, Windows 7 (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows XP (32-bit (SP2 or higher); Driver only installs supported on: Windows Server 2008 (32-bit and 64-bit), Windows Server 2003 (32-bit) (SP3 or higher); Mac OS X v10.5, v10.6; Linpus Linux (9.4, 9.5), Red Hat Enterprise Linux 5.0 (supported with a pre-built package), SuSE Linux (10.3, 11.0, 11.1, 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); HPLUX 11 and Solaris 8/9
Minimum system requirements	Windows: Windows 8, Windows 7 (32-bit/64-bit), Windows Vista (32-bit/64-bit): 1 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 v10.5, v10.6; PowerPC G4, G5, or Intel® Core™ Processor; 500 MB hard disk; CD-ROM/DVD-ROM or Internet; USB or Network port

What's in the box	CE957A: HP LaserJet Pro 400 color M451dn printer; Four preinstalled introductory HP LaserJet toner cartridges (yield ~1400 pages); In-box documentation (Hardware installation guide); Software drivers and documentation on CD-ROMs; Power cord; Built-in Automatic duplexer for two-sided printing; CE956A: HP LaserJet Pro 400 color M451nw printer; Four preinstalled introductory HP LaserJet toner cartridges (yield ~1400 pages); In-box documentation (Hardware installation guide); Software drivers and documentation on CD-ROMs; Power cord; Built-in Wireless card; USB cable;
Supplies	CE410A HP 305A Black Original LaserJet Toner Cartridge 2,200 pages CE410X HP 305X High Yield Black Original LaserJet Toner Cartridge 4,000 pages CE411A HP 305A Cyan Original LaserJet Toner Cartridge 2,600 pages CE412A HP 305A Yellow Original LaserJet Toner Cartridge 2,600 pages CE413A HP 305A Magenta Original LaserJet Toner Cartridge 2,600 pages
Accessories	CF106A HP LaserJet 250-sheet Paper Feeder CB423A HP 256 MB DDR2 144-pin DIMM
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
Printer management	Windows®: HP Device Toolbox (default install), SNP Alerts (minimum network install), HP Web Jetadmin (download); Mac: HP Utility
Printer dimensions (W x D x H)	CE956A: 405 x 454 x 322 mm; Maximum 405 x 659 x 322 mm CE957A: 405 x 484 x 322 mm; Maximum 405 x 689 x 322 mm
Printer Weight	CE957A: 23.64 kg; CE956A: 22.74 kg;
Package weight	CE957A: 28.2 kg; CE956A: 27 kg;
Operating environment	Temperature: 15 to 30°C, Humidity: 20 to 70% RH (non-condensing)
Storage	Temperature: -20 to 40°C, Humidity: 10 to 95% RH (non-condensing)
Acoustics	Acoustic power emissions: 6.5 dB(A); Acoustic pressure emissions: 51 dB(A)
Power	Requirements: Input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz) Consumption: 425 watts (active), 15.2 watts (ready), 4.0 watts (sleep), 0.5 watts (manual-off). Typical Electricity Consumption (TEC): 1.509 kWh/Week Built-in power supply
Certifications	CISPR 22: 2005+A1/EN 55022: 2006+A1 Class B, EN 61000-3-2: 2006, EN 61000-3-3: 2008, EN 55024: 1998+A1+A2, FCC Title 47 CFR, GB9254-2008, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries Energy Star Qualified
Country of origin	Product of China
Warranty	One-year limited warranty. Warranty and support options vary by product, country and local legal requirements. Please visit our website: http://www8.hp.com/uk/en/campaign/printer-repairs/printer-service.html
Connectivity	J8021A HP Jetdirect ew2500 802.11b/g Wireless Print Server
Service and support	U1H90E - HP 3 year Next Business Day Color LaserJet M451 Hardware Support U1H96PE - HP 1 year Post Warranty Next Business Day Color LaserJet M451 Hardware Support U1H91E - HP 3 year Return Color LaserJet M451 Hardware Service U1H95E - HP 1 year Post Warranty Return Color LaserJet M451 Hardware Service (U1H91E and U1H95E: only Central and Eastern Europe, Middle East, Mediterranean and Africa)

Footnotes

¹ Wireless performance is dependent upon physical environment and distance from access point, and may be limited during active VPN connections. Built-in wireless is available on the HP LaserJet Pro 400 Color M451nw and M451dw only.;
² Automatic two-sided printing is available on the HP LaserJet Pro 400 M451dn and M451dw only.;
³ Requires an Internet connection to the printer. Feature works with any Internet- and email-capable device. Print times may vary. For a list of supported documents and image types, see <http://www.hp.com/go/eprintcenter>.; ⁴ Compared with HP LaserJet Pro P1566/ P1606dn printer. Assuming customer is printing at least 30% of total pages in colour with content similar to the colour 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 colour pages printed, and other factors.;
⁵ HP Smart Install works with Windows only.;
⁶ Mobile device must be wireless-enabled and within wireless range of the printer. Printer must be HP ePrint-enabled and may require a firmware upgrade. Feature may require the download of driver or apps to mobile device, available at <http://www.hp.com/go/eprintcenter>.; ⁷ Supports iOS 4.2 devices (iPad, iPhone 4, iPhone 3GS, and 3rd and 4th generation iPod touch) that support multitasking. Works with HP ePrint-enabled printers and all-in-ones. AirPrint and iOS 4.2 devices require an 802.11 wireless network connection to the printer. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint and the AirPrint Logo are trademarks of Apple Inc. iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.;
⁸ HP Auto-On/Auto-Off capabilities subject to printer and settings.;
⁹ Compared with traditional fusing.;
¹⁰ HP LaserJet CE410X Black Toner Cartridge not included; please purchase separately.;
¹¹ Programme features and availability may vary by country. For more information, visit <http://www.hp.com/learn/suresupply>.; ¹² Programme availability varies. HP print cartridge return and recycling is currently available in more than 50 countries and territories around the world through the HP Planet Partners programme. For more information, or to request return envelopes and bulk collection boxes, visit <http://www.hp.com/recycle>.



<http://www.hp.com/uk>

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