LASERJET PRO 400
COLOR M451 printer series

Produce professional-quality color documents with ease and fast speed. Seamlessly integrate into your office or wireless home network. HP features help you save paper and energy, and print from virtually anywhere with HP ePrint.!

Print Speed: 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
Display: 2-line LCD (text)
Monthly Volume (Duty Cycle): Up to 40,000 pages
Paper Handling: 50-sheet multipurpose tray, 250-sheet input tray 2, 150-sheet output bin, 250-sheet input tray 3 (optional)

Professional-grade speed and color
• Boost productivity and save time with print speeds up to 21 ppm letter.!
• 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.!

Easy-to-use and resource-conserving
• Reduce energy use with HP Auto-Off Technology.!
Also save with Instant-on Technology.!
• Start right away with HP Smart Install. Use HP Auto Wireless Connect to autoconfigure networking.!
• Receive consistent results with Original HP cartridges and easily reorder with HP SureSupply.!
• Take advantage of free, easy recycling—cartridges returned through HP Planet Partners are recycled responsibly.!

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.!
• Share printing resources, using built-in Ethernet.
• Print from virtually anywhere with HP ePrint.!

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MINIMUM SYSTEM REQUIREMENTS

PC: Microsoft® 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 microprocessor, 512 MB RAM 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port

Mac: Mac OS X 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

COMPATIBLE OPERATING SYSTEMS

Full software installs supported on: Microsoft® 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: Microsoft® 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, 12, 12.0), Ubuntu (8.04, 8.04.1, 8.04.2, 9.10, 9.04, 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

OPERATING ENVIRONMENT

Operating Humidity Range: 10 to 80% RH (non-condensing)
Operating Temperature Range: 59 to 86°F (15 to 30°C)
Recommended Operating Temperature Range: 59 to 80.6°F (15 to 27°C)
Storage Temperature Range: 4 to 104°F (-20 to 40°F)
Non-Operating Humidity: 10 to 95% RH (non-condensing)

ACOUSTIC*

Acoustic Power Emissions: 6.5 B(A)
Acoustic Pressure 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 Hz)
Power Supply Type: Internal (built-in) power supply
Power Consumption: 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 DIMENSIONS

M451nw & M451dw:
W x D x H: 15.9 x 19.1 x 12.7 in (405 x 484 x 322 mm)
Maximum: 15.9 x 25.9 x 12.7 in (405 x 659 x 322 mm)

M451dn & M451dw:
W x D x H: 15.9 x 19.1 x 12.7 in (405 x 484 x 322 mm)
Maximum: 15.9 x 27.1 x 12.7 in (405 x 689 x 322 mm)

PRODUCT WEIGHT

M451dn: 50.1 lb (22.74 kg)
M451dn & M451dw: 52.1 lb (23.64 kg)

SECURITY MANAGEMENT


WHAT’S IN THE BOX

Printer, Four preinstalled introductory HP LaserJet toner cartridges (yield ~ 1,400 pages), In-box documentation (Hardware-installation guide), Software and documentation on CD-ROMs, Power cord, Built-in Automatic duplex for two-sided printing (M451dn & M451dw models only), Built-in Wireless Card (M451nw & M451dw models only), USB cable (M451nw & M451dw models only), HP 256 MB DDR2 144-pin DIMM, CB423A

WARRANTY

One-year limited warranty, return to HP or authorized service provider

HP SERVICES AND SUPPORT OPTIONS

HP 3y Nbd Excl Color LaserJet M451 HW SVC, U1H88E
HP 1y PW Mbd Excl Color LaserJet M451 SVC, U1HR88E
HP NtwkInstall Inkjet/print LaserJet SVC, H3110E

REPLACEMENT CARTRIDGES*

HP 305A Black LaserJet Toner Cartridge (≈ 2,200 pages), CE410A
HP 305X Black LaserJet Toner Cartridge (≈ 4,000 pages), CE410X
HP 305A Cyan LaserJet Toner Cartridge (≈ 2,200 pages), CE411A
HP 305A Yellow LaserJet Toner Cartridge (≈ 2,200 pages), CE412A
HP 305A Magenta LaserJet Toner Cartridge (≈ 2,200 pages), CE413A

ACCESSORIES

HP LaserJet 250-sheet Paper Feeder, CF110A
HP 256 MB DDR2 144-pin DIMM, CB423A

FOR MORE INFORMATION VISIT OUR WEBSITE AT www.hp.com

HP LASERJET PRO 400 COLOR M451 printer series
Product Number: CE956A, CE957A and CE958A

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

1 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. Exact speed varies depending on the system configuration, software application, driver and document complexity. HP SureSupply alerts you when your printer cartridge is running low and helps you purchase online or load through HP or a participating retailer. Only available with HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply. 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 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 of this manual. More 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 (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). "Wireless direct print is available on the HP LaserJet Pro 400 Color M451dnw and M451dw only.