HP LaserJet Pro 400 color Printer M451nw

Get professional-quality color documents with wireless convenience[1] and network sharing.

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.[2]

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

Take advantage of easy-to-use features that can help reduce your environmental impact. HP Auto-On/Auto-Off and Instant-on technologies save energy, and HP SureSupply and HP Planet Partners help you purchase and recycle toner cartridges.

🔍 Enlarge Image

Compatible Operating Systems

Standard Desktop

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
Mac OS	Mac OS X v 10.5, 10.6
Other	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

Additional Information

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 year	HC127PE
Post Warranty Service, Next Day Exchange: 1 year	U1H98PE

Brand Specifications —

PRINTER

Print Technology	Laser
Print Speed Black, Letter:	
ISO/Best Quality	Up to 21 ppm[4]
Print Speed Color, Letter:	
ISO/Best Quality	Up to 21 ppm[4]
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	Manual (driver support provided)
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 pages[5]
Recommended Monthly Volume	750 to 2,000 pages[6]
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)
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)
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)
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)
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)[7]
Typical Electricity Consumption (TEC)	1.509 kWh/Week
ENERGY STAR® Qualified	No
Mac Compatible	Yes
Dimensions (W x D x H)	15.9 x 25.9 x 12.7 in (maximum), 15.9 x 17.9 x 12.7 in (minimum)
Weight	50.1 lb
Dimensions, Metric	405 x 659 x 322 mm (maximum), 405 x 454 x 322 mm (minimum)
Weight, Metric	22.74 kg
Shipping Dimensions	23.42 x 19.48 x 18.18 in
Shipping Weight	59.4 lb
Shipping Dimensions, Metric	595 x 495 x 462 mm
Shipping Weight, Metric	27 kg
Pallet Dimensions	47.2 x 39.6 x 97.4 in
Pallet Dimensions, Metric	1200 x 1000 x 2474 mm
Pallet Weight	1237.9 lb
Pallet Weight, Metric	562.7 kg
Quantity Per Pallet	20

HP LaserJet Pro 400 color M451
(M451dw shown)

Output tray
Control panel
Print cartridge access
Tray 1 50-sheets
Tray 2 250-sheets

Ethernet
USB port

Front view   Rear view

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 LaserJet Cartridges and Kits
HP 305A Black Original LaserJet Toner Cartridge (CE410A)
HP 305X High Yield Black Original LaserJet Toner Cartridge (CE410X)
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

8.5 x 11 in	32 lb	250 sheets	[CG988A](#)

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	32 lb	500 sheets	[HPU1132](#)

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	32 lb	500 sheets	[HPU1132](#)

HP LaserJet Paper

8.5 x 11 in	24 lb	500 sheets	[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	[HPM1120R](#)
8.5 x 11 in	20 lb	5,000 sheets (10 reams)	[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](#)
8.5 x 11 in	20 lb	5,000 sheets (10 reams)	[HPC8511C](#)
8.5 x 11 in, 3-hole punch	20 lb	500 sheets	[HPC3HP](#)
8.5 x 14 in	20 lb	500 sheets	[HPC8514](#)
8.5 x 11 in	20 lb	500 sheets	[HPC8511R](#)

HP Office Quickpack

8.5 x 11 in	20 lb	2,500 sheets	[HP2500S](#)

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	20 lb	500 sheets	[HPA510](#)

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.