



HP LASERJET PRO 300/400 COLOUR PRINTER SERIES

M351a • M451nw • M451dn

Produce professional-quality colour documents with ease and speed. Seamlessly integrate into your office or wireless home network.^{1,2} HP features help you save paper³ and energy, and print from virtually anywhere with HP ePrint.⁴



Professional-grade speed and colour

- Boost productivity and save time with print speeds up to 20 ppm A4 and 21 ppm letter.⁵
- Produce bold text and smooth colour with HP ImageREt 3600 and Original HP LaserJet toner cartridges.
- Produce colour 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.⁶

Manageability, productivity, and mobility

- Conserve resources and save paper, using automatic two-sided printing.³
- Proactively manage office printing with HP Web Jetadmin.
- Conveniently locate the printer anywhere in the office, using built-in wireless connectivity.^{1,2} Share printing resources, using built-in Ethernet.
- Print from virtually anywhere with HP ePrint.⁴

Easy-to-use and resource-conserving

- Cut energy use as much as 45%, compared to a majority of competing laser printers.⁷ Reduce energy use even more, using HP Auto-On/Auto-Off Technology.⁸ Also save with Instant-on Technology.⁹
- Start right away with HP Smart Install.¹⁰ Use HP Auto Wireless Connect to autoconfigure networking.^{1,2}
- Receive consistent results with Original HP cartridges and easily re-order with HP SureSupply.¹¹
- Take advantage of free, easy recycling – cartridges returned through HP Planet Partners are recycled responsibly.¹²

ecoHIGHLIGHTS

HP LASERJET PRO 300/400 COLOUR PRINTER SERIES

ECO INFORMATION

- Save energy – HP Auto-Off Technology turns your printer off when you don't need it.¹
- Reduce paper use by up to 50%, using automatic two-sided printing.²
- Lower your impact – reduce energy and paper use with HP EcoSMART Console.
- Free, convenient cartridge recycling in 54 countries.
- ENERGY STAR[®] qualified.

¹ HP Auto-Off capabilities subject to printer and settings.
² Only for HP LaserJet Pro 400 Colour M451dn.

www.hp.com/go/ecosolutions

Please recycle your computing hardware and printing supplies. HP asset management and recycling services make responsible disposal easy.



¹Wireless performance is dependent upon physical environment and distance from access point, and may be limited during active VPN connections. ²Built-in wireless is available on the HP LaserJet Pro 400 Colour M451nw only. ³Automatic two-sided printing is available on the HP LaserJet Pro 400 M451dn only. ⁴Requires 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>. ⁵Only for HP LaserJet Pro 400 Colour Printer Series. ⁶Compared 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. ⁷Energy data used to calculate savings based on HP testing using the ENERGY STAR[®] program's Typical Electricity Consumption (TEC) method vs. a majority of worldwide top-selling competitive models <\$2,299 as of March 2011 using data reported in energystar.gov and eu.energystar.org as of July 2011. Data extended to one year. Actual results may vary. ⁸HP Auto-On/Auto-Off capabilities subject to printer and settings. Actual power usage may vary. ⁹Compared with traditional fusing. ¹⁰HP Smart Install works with Windows only. ¹¹Program features and availability may vary by country. For more information, visit www.hp.com/learn/suresupply. ¹²Program 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 program. For more information, or to request return envelopes and bulk collection boxes, visit <http://www.hp.com/recycle>.



Technical specifications

| | HP LaserJet Pro 300 Colour M351a (CE955A) | HP LaserJet Pro 400 Colour M451nw (CE956A)/M451dn (CE957A) |
|---------------------------------------|--|--|
| Print | | |
| Print Speed ¹ | Black/Colour: Up to 19 ppm, letter; up to 18 ppm, A4 | Black/Colour: Up to 21 ppm, letter; up to 20 ppm, A4 |
| First Page Out ² | Black/Colour: As fast as 17 sec, letter/A4 | |
| Print Resolution | Up to 600 dpi with HP ImageREt 3600 | |
| Control Panel | 21-line, 16-character backlit LCD display; 5 buttons (Cancel job, Left arrow, Right arrow, Select, Back); 2 LED lights (Attention, Ready) | |
| Processor | 600 MHz | |
| Memory | 128 MB, 1 DIMM slot, Expandable to 384 MB through 1 industry-standard DIMM slot | |
| Hard disk | None | |
| Durability Ratings | Recommended monthly volume: 500 to 1500 pages; Duty cycle: Up to 30,000 pages | Recommended monthly volume: 750 to 2000 pages; Duty cycle: Up to 40,000 pages |
| Paper | | |
| Input | 300-sheet input tray | |
| Output | 150-sheet output bin | |
| Two-sided Printing | Manual (driver support provided) | ^Built-in Automatic duplexer |
| Sizes | Tray 1: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5), custom: 76 x 127 to 216 x 356 mm; 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), custom: 100 x 148 to 216 x 356 mm | Tray 1: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, postcards (JIS single, JIS double), envelopes (ISO DL, ISO C5, ISO B5), custom: 76 x 127 to 216 x 356 mm; Tray 2, optional Tray 3: A4, A5, A6, B5 (JIS), 16K, 10 x 15 cm, es (ISO DL, ISO C5, ISO B5), custom: 100 x 148 to 216 x 356 mm; ^Automatic duplexer: A4, B5 |
| Weights | 60 to 176 g/m ² (up to 220 g/m ² with postcards and HP Colour laser glossy photo papers) | |
| Types | Paper (bond, brochure, coloured, glossy, letterhead, photo, plain, pre-printed, pre-punched, recycled, rough), postcards, transparencies, labels, envelopes | |
| Interfaces | 1 Hi-Speed USB 2.0 | 1 Hi-Speed USB 2.0 port; 1 Fast Ethernet 10/100Base-TX network port; *1 WiFi 802.11 b/g/n |
| Networking Capabilities | None | Via built-in 10/100 Fast Ethernet; *1 WiFi 802.11 b/g/n |
| Languages | HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF | |
| Fonts | 84 scalable TrueType fonts | |
| Operating Systems | 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 processor, 512 MB RAM 400 MB free hard disk space, CD/DVD-ROM or Internet, USB or Network port | |
| Network Protocols | - | Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless); Wireless: 802.11 b/g/n, WPS, IPP Print, SSL Security and certificate management, Apple AirPrint™, HP Wireless Direct Print |
| Security | - | Wireless: WEP (128 bit), WPA/WPA2 – Personal (AES, TKIP); 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 |
| Environmental Ranges | | |
| Recommended Temperature | 15 to 27° C | |
| Storage Temperature | -20 to 40° C | |
| Recommended Relative Humidity | 20 to 70% RH (non-condensing) | |
| Acoustics | | |
| Sound Power ³ | 6.4 B(A) | 6.5 B(A) |
| Bystander Sound Pressure | 51 dB(A) | |
| Power Specifications | | |
| Required Input Voltage | Input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz) | |
| Power Consumption | 410 watts (Active), 15.7 watts (Ready), 3.0 watts (Sleep), 0.5 watts (Off) | 425 watts (Active), 15.2 watts (Ready), 4.0 watts (Sleep), 0.5 watts (Off) |
| Default Time to Sleep | 15 minutes | |
| Configuration Tested | HP LJ Pro 300 Colour M351a (printing mono simplex at 18ppm A4) | HP LaserJet Pro 400 Colour M451nw (printing mono simplex at 21ppm A4) |
| Typical Electricity Consumption (TEC) | 1.237 kWh/Week | 1.509 kWh/Week |
| Certifications | | |
| Safety | IEC 60950-1 (International), EN 60950-1+A11 (EU), IEC 60825-1, UL/cUL Listed (US/Canada), GS license (Europe), EN 60825-1 (Class 1 Laser/LED Device), Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries | |
| EMC | 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, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), GB9254-2008, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries | |
| Dimensions (w x d x h) | 405 x 454 x 322 mm | |
| Weight (without print cartridge) | 22.74 kg | |
| Warranty ⁴ | One-year limited warranty, return to HP or authorised service provider | |

¹Measured using ISO/IEC 24734, excludes first set of test documents. For more information see www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ²Exact speed varies depending on the system configuration, software application, driver and document complexity. ³Values are subject to change. For current information see Product Support page at <http://www.hp.com/support>. Configuration tested: simplex, colour and simplex, mono. ⁴Warranty will differ by country. ⁵Only for HP LaserJet Pro 400 Colour M451dn. ⁶Only for HP LaserJet Pro 400 Colour M451nw.

Ordering information

| | |
|----------------------|---|
| CE955A | HP LaserJet Pro 300 Colour M351a Printer |
| CE956A/CE957A | HP LaserJet Pro 400 Colour M451nw/M451dn Printer; Four pre-installed introductory HP LaserJet toner cartridges (yield ~1400 pages); In-box documentation (Hardware installation guide), Warranty card (China, Indonesia, Brazil, Japan); Software drivers and documentation on CD-ROMs; Power cord; ^Built-in Automatic duplexer for two-sided printing; *Built-in Wireless Card; USB cable |

Supplies

| | |
|---------------|--|
| CE410A | HP 305A Black LaserJet Toner Cartridge (yield ~2200 pages) |
| CE410X | HP 305X Black LaserJet Toner Cartridge (yield ~4000 pages) |
| CE411A | HP 305A Cyan LaserJet Toner Cartridge (yield ~2600 pages) |
| CE412A | HP 305A Yellow LaserJet Toner Cartridge (yield ~2600 pages) |
| CE413A | HP 305A Magenta LaserJet Toner (yield ~2600 pages) Cartridge |

Accessories

| | |
|---------------|------------------------------------|
| CF106A | HP LaserJet 250-sheet Paper Feeder |
| CB423A | HP 256 MB DDR2 144-pin DIMM |

Service and Support

| | |
|----------------|---|
| U1J02E | HP 3 year Next business day Colour LaserJet M351 Hardware Service |
| U1J03E | HP 3 year Return Colour LaserJet M351 Hardware Service |
| U1J07PE | HP 1 year Post Warranty Return Colour LaserJet M351 Service |
| U1J08PE | HP 1 year Post Warranty Next business day Colour LaserJet M351 Service |
| U1Q15PE | HP 2 year Post Warranty Next business day Colour LaserJet M351 Hardware Support |
| U1H90E | HP 3 year Next business day Colour LaserJet M451 Hardware Service |
| U1H91E | HP 3 year Return Colour LaserJet M451 Hardware Service |
| U1H95E | HP 1 year Post Warranty Return Colour LaserJet M451 Service |
| U1H96PE | HP 1 year Post Warranty Next business day Colour LaserJet M451 Service |
| U1H99PE | HP 2 year Post Warranty Next business day Colour LaserJet M451 Hardware Support |
| H3T10E | HP Network Install Inkjet/personal LaserJet Service |

Increase printer uptime, keep operating costs predictable low, and enjoy better business outcomes with HP CarePack services. For more information on HP CarePack services, please visit www.hp.com/go/printservices.

For a complete list of supplies, media and accessories, please refer to the HP website at www.hp.com

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