



HP Color LaserJet Pro MFP 4301fdw Printer

Colorful productivity. Seamless set up.

Get a blazing fast color printer and easy management tools with LaserJet Pro.



This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

Highlights

- Fast print speed (33ppm A4)
- HP Wolf Pro security
- Automatic two-sided printing standard
- High monthly duty cycle (50,000 pages)
- Dual-band WiFi®, Bluetooth® LE, WiFi® Direct
- 50 sheet ADF with single-pass, two-sided scanning

Maximum productivity in full color

- Support your business workteam with this compact, high-performing, color printer, ideal for up to 10 users.
- Step up your workflow with blazing fast speed to meet high-demand environments.
- Avoid interruptions with Wi-Fi® that intelligently looks for the most stable connection to stay on-line.⁶
- Look professional on every page with high-quality printing, true-to-life colors and sharp details.¹⁴

Seamless management³

- Centralize your print management. HP Web Jetadmin easily adds and updates devices and solutions.³
- Set up your printers quickly so you can focus more on your business. Make it easy for your team to set up and get back to what matters.

HP Wolf Pro Security

- Get printer security out of the box. Preconfigured settings mean it's ready when you are.
- Add a layer of security. PIN/pull option authenticates your print jobs only when you're present.
- Strengthen and simplify compliance. This upgrade applies your enterprise policies across the fleet.⁷

Sustainable printing^{4,12,13}

- Redesigned Original HP TerraJet Cartridge for reduced plastic use and energy consumption when printing.^{12,13}
- Trim your paper use. Default duplex setting prints on both sides of each page.
- Meet the industry standard for efficiency with Energy Star® rating.⁴
- Reduce your footprint. HP Auto-On/Auto-Off technology optimizes printer energy usage and costs.⁵

Product walkaround

HP Color LaserJet Pro MFP 4301fdw

1. Automatic 2-sided printing
2. Dual-band WiFi® with self heal, USB and Ethernet
3. HP Smart app for productivity in your hand
4. Designed for workteams of up to 10 users
5. Print speeds up to 35 ppm letter/33 ppm A4, 300-sheet standard paper capacity
6. 4.3-inch color touchscreen
7. Pre-configured security settings
8. Walk-up USB print and scan
9. More true-to-life colors with HP TerraJet Toner



Accessories, Supplies and Support

| | |
|---------------------|---|
| Supplies | W2100A HP 210A Black Original LaserJet Toner Cartridge (~ 2,000 pages) W2101A HP 210A Cyan Original LaserJet Toner Cartridge (~1,800) pages W2102A HP 210A Yellow Original LaserJet Toner Cartridge (~1,800 pages) W2103A HP 210A Magenta Original LaserJet Toner Cartridge (~1,800 pages) W2100X HP 210X Black Original LaserJet Toner Cartridge (~7,500 pages) W2101X HP 210X Cyan Original LaserJet Toner Cartridge (~5,500) pages W2102X HP 210X Yellow Original LaserJet Toner Cartridge (~5,500 pages) W2103X HP 210X Magenta Original LaserJet Toner Cartridge (~5,500 pages) W2150XC HP Black Contract LaserJet Toner Cartridge (~7,500 pages) W2151XC HP Cyan Contract LaserJet Toner Cartridge (~5,500 pages) W2152XC HP Yellow Contract LaserJet Toner Cartridge (~5,500 pages) W2153XC HP Magenta Contract LaserJet Toner Cartridge (~5,500 pages) |
| Accessories | 28N93A HP Color LaserJet Pro 550 Sheet Paper Tray |
| Service and Support | U51Y7E HP 5 year Next Business Day Onsite Service for Color LaserJet Pro 420x U51YBE HP 4 year 4 hour 9x5 Onsite Service for Color LaserJet Pro 420x U51YCE HP 5 year 4 hour 9x5 Onsite Service for Color LaserJet Pro 420x U51YGPE HP 1 year Post Warranty Next Business Day Onsite Service for Color LaserJet Pro 420x U51YHPE HP 1 year Post Warranty 4 hour 9x5 Onsite Service for Color LaserJet Pro 420x U9JT1E HP Installation with Networking Service for Personal Scanner and Printing |

Technical specifications

| | |
|--------------------------------------|---|
| Model | HP Color LaserJet Pro MFP 4301fdw Printer |
| Product number | 4RAB2F |
| Functions | Print, copy, scan, fax |
| Control panel | 4.3" Capacitive touchscreen (all input functions) |
| Print | |
| Print technology | Laser |
| Print speed | Black (A4, normal): Up to 33 ppm Colour (A4, normal): Up to 33 ppm ; Black (A4, duplex): Up to 29 ipm Colour (A4, duplex): Up to 29 ipm |
| First page out | Black (A4, ready): As fast as 9.5 sec Colour (A4, ready): As fast as 10.5 sec ; Black (A4, sleep): As fast as 10.2 sec Colour (A4, sleep): As fast as 10.5 sec |
| Print resolution | Black (best): Up to 600 x 600 dpi Colour (best): Up to 600 x 600 dpi ; Technology: HP ImageREt 2400, PANTONE® calibrated |
| Monthly duty cycle ¹ | Up to 50,000 pages A4; Recommended monthly page volume: 750 to 4,000 |
| Printer smart software features | Automatic duplex, collation, watermarks, printable forms, quiet mode, HP premium print mode, accepts a variety of paper sizes and types |
| Standard print languages | HP PCL 6, HP PCL 5e, HP Postscript level 3 emulation, PDF, URF, PWG Raster, Native Office |
| Fonts and typefaces | 111 scalable TrueType fonts |
| Print area | Print margins: Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm; Maximum print area : 212 x 352 mm |
| Duplex printing | Automatic |
| Copy | |
| Copy speed | Black (A4): Up to 33 cpm; Colour (A4): Up to 33 cpm |
| Copier specifications | ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Save Current Settings; Restore Factory Defaults; Quality (Draft/Standard/Best); Maximum number of copies: Up to 999 copies; Reduce/Enlarge: 25 to 400% |
| Scan | |
| Scan speed | Normal (A4): Up to 29 ppm, up to 26 ppm ; Duplex (A4): Up to 44 ipm (b&w), up to 35 ipm (color) |
| Scan file format | PDF, JPEG, TIFF |
| Scanner specifications | Scanner type: Flatbed, ADF; Scan technology: Contact Image Sensor (CIS); Scan input modes: Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA; Twain version: Version 2.3; Duplex ADF scanning: Yes; Optical scan resolution: Up to 600 dpi |
| Recommended monthly scan volume | 750 to 4000 |
| Scannable area | Maximum media size (flatbed): 216 x 297 mm; Minimum media size (ADF): 102 x 152 mm Maximum media size (ADF): 216 x 356 mm |
| Bit depth/ Grey scale levels | 30-bit / 256 |
| Fax | |
| Fax | Yes, 33.6 kbps |
| Fax specifications | Fax memory: Up to 500 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi. Quick dialing: Up to 100 numbers |
| Processor speed | 1200 MHz |
| Connectivity | |
| Mobile printing capability | HP Smart App; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Wi-Fi® Direct Printing |
| Supported network protocols | TCP/IP (IPv4, IPv6); Print: TCP/IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, Apple AirPrint™, Mopria, IPP Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Stateful via DHCPv6), SSL, Security and Certificate management; Management: SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog |
| Network capabilities | Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-cross-over Ethernet; Authentication via 802.1x; 802.11ac (Wi-Fi 5) |
| Memory | Standard: 512 MB NAND Flash, 512 MB DRAM; Maximum: 512 MB NAND Flash, 512 MB DRAM |
| Media handling | |
| Number of paper trays | Standard: 2; Maximum: 3 |
| Media types | Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes |
| Media size | Custom (metric): Simplex: Tray 1: 76.2 x 127 to 216 x 356 mm; Tray 2: 98 x 148 mm to 216 x 356 mm; optional Tray 3: 100 x 148 to 216 x 356 mm; Duplex (all trays): 148 x 148 mm to 216 x 356 mm ADF: Letter; Legal; A4; custom sizes 102 x 152 to 216 x 356 mm |
| Media handling | Standard input: 50-sheet multipurpose tray, 250-sheet input tray, 50-sheet Automatic Document Feeder (ADF) Standard output: 150-sheet output bin Optional input: Optional 550-sheet tray |
| Media weight | 60 to 163 g/m ² (up to 176 g/m ² postcards, up to 200 g/m ² HP Color laser glossy photo papers) |
| Input capacity | Tray 1: Sheets: 50; envelopes: 5; Tray 2: Sheets: 250; envelopes: 10; Tray 3: Sheets: 550 Maximum: Up to 850 sheets (with Optional 550-sheet tray) ADF: Standard, 50 sheets uncurled |
| Output capacity | Standard: Up to 150 sheets Envelopes: Up to 20 envelopes Maximum: Up to 150 sheets |
| Compatible operating systems | Windows 11; Windows 10; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Linux; Citrix; Chrome OS |
| Compatible network operating systems | SAP; Novell; UNIX; Citrix; Linux; Windows Server |
| Minimum system requirements | Windows: 2 GB available hard disk space, Internet connection or USB port, Internet browser. For additional OS hardware requirements see microsoft.com; Mac: 2 GB available hard drive space, Internet connection or USB port, Internet browser. For additional OS hardware requirements see apple.com; |
| Software included | No software solutions are included in the box only on http://hp.com http://123.hp.com |
| Printer management | HP Web JetAdmin Software, Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Smart Printer Administrator Resource Kit for HP Smart Universal Print Driver (Driver Configuration, Utility - Driver, Deployment Utility - Managed Printing Administrator) |
| Dimensions and weight | |
| Printer dimensions (W x D x H) | Minimum: 421 x 435 x 384 mm; Maximum: 421 x 686 x 761 mm (with optional 550-sheet tray 3) |
| Printer weight | ~20.4 kg |
| Operating environment | Temperature: 10 to 32.5°C Humidity: 30 to 70% RH (non-condensing) |
| Storage conditions | Temperature: -20 to 40°C |
| Acoustics ² | Acoustic power emissions: 6.1 dB(A) Acoustic pressure emissions: 50 dB(A) |
| Power ³ | Requirements: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); Consumption: 585 watts (Active Printing), 18 watts (Ready), 0.8 watts (Sleep), 0.9 watts (HP auto-off/auto-on), 0.07 watts (auto-off/manual on), 0.07 watts (off); Typical Electricity Consumption (TEC)³: 1.423 kWh/Week (Blue Angel); 0.422 kWh/Week (Energy Star 3.0); Power supply type: Internal (Built-in) power supply |
| Energy savings feature technology | HP Auto-On/Auto-Off Technology; Instant-on Technology |
| Certifications | UL (UL, US/Canada); RCM (Australia); TÜV and GS Mark (Germany); Department of Industrial Standards of Cambodia; Bureau of Standards, Metrology and Inspection Ministry of Economic Affairs - BSMI (Taiwan); Certificate of China Compulsory Product Certification - CCC (China); Bureau of Indian Standards - BIS (Registration India); PSB (Singapore); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries. Electromagnetic emission standard: CISPR 22:2008 (International) Class B, CISPR 32:2015 (International) Class B / EN 55032:2015 Class B + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class B, ICES-003, Issue 7 Class B. Other EMC approvals as required by individual countries. IT ECO Declaration: EPEAT® Silver Australia; EPEAT® Silver Canada; EPEAT® Silver US Blue Angel compliant: No, please refer to the EC (Ecolabel Comparison Information) document Telecom compliance: Telecom Wireless: FCC 47 CFR Part 15 Subpart C & E (UNII); FCC 47 CFR Part 15 Subpart C & E; IRSS-Gen Issue 4/RSS 247 Issue 2, 2017 & RSS 102 Issue 5, 2015; EN 301 489-1 V2.2.3; EN 301 489-17 V3.2.4; EN 300 440-1 V2.1.1; EN 300 328 V2.2.2; EN 301 893 V2.1.1. Other Telecom approvals as required by individual countries. Telecom Wired: FCC Rules and Regulations 47 CFR Part 68. ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2. Other Telecom approvals as required by individual countries. |
| Sustainable impact specifications | ENERGY STAR® certified; EPEAT® registered; 15% post-consumer recycled plastic |
| Country of origin | Made in China |
| What's in the box ⁴ | 4RAB2F HP Color LaserJet Pro 4301fdw; 4 preinstalled HP LaserJet Toner cartridges (Black: ~2,000 pages, Introductory-Cyan, Magenta, Yellow: ~1,000 pages); In-box documentation (Reference Guide, Setup Card); warranty card (Where required). HP printer software is available at www.hp.com/support ; Power cord; USB cable; fax cable (New Zealand only). |
| Warranty | One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001) |

Footnotes

- ¹ Requires HP app download available at www.hp.com/go/mobileprinting. Certain features are available in English language only, and may vary by printer model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of functionality facilitated by the HP app. Internet access required and may not be available in all countries. HP account required for full functionality. Fax capabilities are for sending a fax only. List of supported operating systems available in app stores. See details at www.hpsmart.com.
- ² Requires use of Smart Admin Dashboard for printer setup and onboarding of users.
- ³ HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.
- ⁴ HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See hp.com/ecosmart
- ⁵ HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.
- ⁶ Internet access required and must be purchased separately. Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Supports both 5.0 GHz and 2.4 GHz using up to 112 non-overlapping channels vs. only 3 non-overlapping channels for 2.4 GHz only. Supports 5.0 GHz band (up to 150 mbps) v. 2.4 GHz band (up to 72.2 mbps). Learn more at: www.hp.com/go/mobileprinting.
- ⁷ HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager.
- ¹² Plastic reduction calculated per page based on cartridge weight in grams and stated yield in HP TerraJet Cartridges compared to predecessors. See hp.com/TerraJetplasticreductions.
- ¹³ HP calculations based on Energy Star® normalized TEC data in HP TerraJet Cartridges compared to predecessors. See hp.com/TerraJetenergysaving.
- ¹⁴ Standard print mode for HP Color LaserJet Pro series with HP TerraJet technology compared to predecessors. See hp.com/TerraJetcolors.

Technical specifications disclaimers

- ¹ For yield information on the cartridge(s) included with your printer, see <http://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.
- ² Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/toneryield>
- ³ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- ⁴ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). Blue Angel TEC based on 230V test result; ENERGY STAR TEC data based on 115V test result.
- ⁵ Values based on 115V test results based on ES test method.
- ⁶ Configuration tested: base model, simplex printing, A4 paper at an average of 33 ppm.
- ⁷ 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.



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