Data sheet

HP Color LaserJet Pro MFP 3301fdw

High-Speed. Vivid Color. Pro Performance.

Designed for business work teams that need professional performance with fast, high-quality two-sided printing and scanning with copying and fax, plus award-winning reliability in a compact design.[11]



Dynamic security enabled printer. Contains technology that may prevent cartridges with non-HP chips or circuitry from working now or in the future. More at: http://www.hp.com/learn/ds



Fast two-sided printing



Time saving



Printer security settings



Environmental globe

Professional color and speed

- Experience high-speed, automatic two-sided color printing at 26 pages per minute.[1]
- Bring your business to life with next-generation TerraJet Toner designed for more true-to-life, vibrant colors.[8]
- Streamline your workspace and help boost your team's efficiency with this compact laser printer.

Peace-of-mind with award-winning reliability[11]

- Performance you can count on page after page with award-winning reliability.[11]
- Keep your business connected with reliable Wi-Fi® that automatically reconnects to stay online.[2]
- Rely on low maintenance printing to avoid downtime and stay focused on your business

Pro level security to help protect your business

- Safeguard your business with proactive, embedded security ready out of the box and tamper-resistant toner.[12]
- Professional level printer security with preconfigured settings mean it's ready for business.
- Strengthen and simplify compliance. HP Security Manager upgrade applies policies across your printer network.[10]

Compact and energy efficient design

- Designed in a compact size with energy saving auto-on/auto-off technology to optimize printer energy use.[19]
- Specially formulated HP TerraJet Toner engineered for low energy use when printing.[7]
- Trim your paper use. Default duplex setting prints on both sides of each page.
- Easily recycle your used Original HP Toner Cartridges for free through the HP Planet Partners program.[9]

Product walkaround

HP Color LaserJet Pro MFP 3301fdw

1. Fast, automatic two-sided printing
2. 2- sided copying / scanning
3. 4.3" CGD Touchscreen
4. Auto-jam recovery
5. Print speed up to 26/25 ppm (Letter/A4)
6. 250-sheet input tray with 1-sheet MP tray
7. Timesaving Shortcuts
8. 50-page automatic document feeder
9. Easy, guided setup
10. Wolf Pro Security
11. Dual-band Wi-Fi®, Wi-Fi® Direct, High-Speed USB ports, Ethernet



Accessories, Supplies and Support

Supplies	**W2180A** HP 218A Black Original LaserJet Toner Cartridge (~1,300 pages black)
	W2180X HP 218X High Yield Black Original LaserJet Toner Cartridge (~3,200 pages black)
	W2181A HP 218A Cyan Original LaserJet Toner Cartridge (~1,200 pages cyan)
	W2181X HP 218X High Yield Cyan Original LaserJet Toner Cartridge (~2,500 pages cyan)
	W2182A HP 218A Yellow Original LaserJet Toner Cartridge (~1,200 pages yellow)
	W2182X HP 218X High Yield Yellow Original LaserJet Toner Cartridge (~2,500 pages yellow)
	W2183A HP 218A Magenta Original LaserJet Toner Cartridge (~1,200 pages magenta)
	W2183X HP 218X High Yield Magenta Original LaserJet Toner Cartridge (~2,500 pages magenta)
Service and Support	**UG087E** HP 3 Year Next Business Day Exchange Service For Color LaserJet Pro MFP Printers **UG482E** HP 3 year Onsite Exchange Service For Color LaserJet Pro MFP Printers **UG290E** HP 3 Year Return to Deport Service for Color LaserJet Pro MFP Printers **UG117E** HP 2 Year Next Business Day Exchange Service For Color LaserJet Pro MFP Printers **UG512E** HP 2 Year Onsite Exchange Service For Color LaserJet Pro MFP Printers **UG320E** HP 2 Year Return to Deport Service for Color LaserJet Pro MFP Printers **U6N05E** HP Installation with Networking Service for Consumer Printer

Technical specifications

Model	**HP Color LaserJet Pro MFP 3301fdw**
Product number	499Q5F
Functions	Print, copy, scan, fax
Control panel	4.3" Capacitive Touch Color Display
Print	
Print technology	Laser
Print speed[7]	**Black (A4, normal)**: Up to 25 ppm **Colour (A4, normal)**: Up to 25 ppm ; **Black (A4, duplex)**: Up to 15 ipm **Colour (A4, duplex)**: Up to 15 ipm
First page out[9]	**Black (A4, ready)**: As fast as 10.9 sec **Colour (A4, ready)**: As fast as 11.0 sec ; **Black (A4, sleep)**: As fast as 11.0 sec **Colour (A4, sleep)**: As fast as 11.1 sec
Print resolution	**Black (best)**: Up to 600 x 600 dpi **Colour (best)**: Up to 600 x 600 dpi
Monthly duty cycle[10]	Up to 40,000 pages A4; **Recommended monthly page volume**[11]: 150 to 2,500
Standard print languages	HP PCL6,HP PostScript, HP PCL5, PDF, URF, PWG-Raster, PCLM, JPEG
Fonts and typefaces	111 Scalable TrueType Fonts
Print area	**Print margins** Top: 5 mm, Bottom: 5 mm, Left: 5 mm, Right: 5 mm; Maximum print area : 215.9 x 355.6 mm
Duplex printing	Automatic
Copy	
Copy speed[4]	**Black (A4)**: Up to 25 cpm; **Colour (A4)**: Up to 25 cpm
Copier specifications	Color; ID Copy; Number of Copies; Lighter/Darker; Original Size; Paper Size; Paper type; Two-sided copy; Paper Source; Duplex; N-up; Binding Margin; Booklet; **Maximum number of copies**: Up to 999 copies; **Reduce/Enlarge**: 25 to 400%
Scan	
Scan speed[13]	**Normal (A4)**: Up to 19 ppm (b&w), Up to 8 ppm (color) ;**Duplex (A4)**: Up to 34 ipm (b&w), up to 16 ipm (color)
Scan file format	JPG; PDF; PDFA; TIFF
Scanner specifications	**Scanner type** ADF; Flatbed; **Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Front-panel scan; HP Universal Scan and user applications via Twain; **Twain version**: Version 2.1; **Duplex ADF scanning**: Yes; **Optical scan resolution**: Up to 300 dpi (color and monochrome, ADF); Up to 1200 dpi (color and monochrome, Flatbed)
Scanner advanced features	HP Universal Scan
Recommended monthly scan volume	150 to 1500
Scannable area	**Maximum media size (flatbed)**: 216 x 297 mm ;**Minimum media size (ADF)**: 148 x 210 mm **Maximum media size (ADF)**: 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	Standard: Scan to Email, Scan to Network Folder, Scan to Sharepoint, Scan to USB, Scan to Computer
Fax	
Fax	Yes, 33.6kbps
Fax specifications	**Fax memory**: Up to 500 pages; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; **Quick dialing**: Up to 200 numbers
Fax smart software features	Mobile Fax with HP Cloud Account
Processor speed	1.2GHz
Connectivity	
Standard	1 Gigabit Ethernet 10/100/1000 Base-TX network; 1 Hi-Speed USB 2.0 (device); 1 Hi-Speed USB 2.0 (host); 1 Wi-Fi 802.11ac (dual band); 2 RJ-11 Fax/Modem port/phone line; Auto-crossover Ethernet
Mobile printing capability	HP Smart App; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Wi-Fi® Direct Printing
Supported network protocols	TCP/IPv4, TCP/IPv6, DHCP, DNS.
Network capabilities	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Memory	**Standard**: 512MB ;**Maximum**: 512MB
Media handling	
Number of paper trays	**Standard**: 2 ;**Maximum**: 2
Media types	Paper (bond, brochure, colored, glossy, heavy, letterhead, light, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock
Media size	**Custom (metric)**: 76 x 127 mm to 216 x 356 mm **Supported (metric)**: A4; A5; A6; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio 216 x 340 mm; 16K 195 x 270 mm; 16K 184 x 260 mm; 16K 197 x 273 mm; Postcard (JIS); Double Postcard (JIS); Envelope B5; Envelope C5; Envelope DL; A5-R **ADF**: A4; LTR; LGL
Media handling	**Standard input:** 250 sheets Main Input Tray, 1 sheet Priority Feed Tray **Standard output:** 100 sheets Output Tray
Media weight	60 to 163 g/m² Paper; Up to 176 g/m² with postcards; Up to 200g/m² Glossy Papers
Input capacity	**Tray 1:** 1 sheet for all media type **Tray 2:** Sheets: Up to 250; Transparencies: Up to 10mm; Envelope: Up to 10 **Maximum:** Up to 251 sheets **ADF:** Standard, 50 sheets
Output capacity	**Standard:** Up to 100 sheets @ 75gsm (or up to 15mm stack) Envelopes: Up tp 10 envelope Transparencies: Up to 10mm stack **Maximum:** Up to 100 sheets @ 75gsm (or up to 15mm stack)
Compatible operating systems[14]	Windows 11; Windows 10; macOS 12 Monterey; macOS 11 Big Sur; Linux; macOS 13 Ventura; Android; iOS
Compatible network operating systems	Windows 10; Windows Server; Linux; macOS 11 Big Sur; macOS 12 Monterey; Windows 11; macOS 13 Ventura
Minimum system requirements	**Windows**: Microsoft® Windows® 11, 10: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection **Mac**: Apple® macOS 11.0 Big Sur, macOS 12.0 Monterey, macOS 13.0 Ventura; 2GB HD; Internet required
Software included	HP Printer Software downloadable from https://www.hpsmart.com/download
Security management	Unique Admin Password; Enable/Disable USB; EWS Session Time Out; Control Panel Inactivity Timeout; Role Based Access Control; WebScan Disabled by default.
Printer management	HP Web Jetadmin
Dimensions and weight	
Printer dimensions (W x D x H)[5]	**Minimum** 418 x 419.12 x 341.32 mm; **Maximum**: 428 x 472 x 455 mm
Printer weight[17]	~17.1 kg

Operating environment	**Temperature**: 15 to 30°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 60°C
Acoustics[6]	**Acoustic power emissions**: 6.3 B(A) **Acoustic pressure emissions**: 51 dB(A)
Power[1]	**Requirements**: 220-volt input voltage: 220 – 240V (±10%) @ 50Hz ± 3 Hz, 60Hz ± 3 Hz; 110-volt input voltage: 110 – 127V (±10%) @ 50Hz ± 3 Hz, 60Hz ± 3 Hz (Not dual voltage, product varies by part number with # Option code identifier); **Consumption**: 416 watts (printing), 7.6 watts (ready), 0.95 watts (sleep), 0.05 watts (auto-off), 0.05 watts (manual-off); **Typical Electricity Consumption (TEC)**[12]: 0.338 kWh/week (Energy Star); **Power supply type**: Internal (Built-in) power supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology
Certifications	RCM (Australia), TUV and GS Mark (Germany), BSMI (Taiwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, Chile, Indonesia, Singapore, Philippines, etc. **Electromagnetic emission standard**: EN IEC 61000-3-2:2019 +A1:2021; EN 61000-3-3:2021; CISPR 32:2019; CISPR 35:2016; EN 55032:2015+A11:2020+A1:2020; EN 55035:2017+A11:2020; EN 61000-4-12:2017; FCC CFR 47 Part 15B; ICES-003, Issue 6:2019; Other EMC approvals as required by individual countries. EPEAT® Silver registered; ENERGY STAR® certified **Blue Angel compliant** No, please refer to the ECI (Ecolabel Comparison Information) document **Telecom compliance**: Fax: ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2; FCC Title 47 CFR, Part 68; Industry Canada CS03; NOM-151-SCTI-1999 (Mexico); PTC-200 (New Zealand); other Telecom approvals as required by individual countries. Wireless: EU RED 2014/53/EU; EN 301 489-1 V2.2.3 / EN 301 489-17: V3.2.4; EN 300 328: V2.2.2 / EN301 893 V2.1.1/ EN300 440-1 V2.1.1; FCC Title 47 CFR, Part 15 Subpart B, Class B / RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; EN62311:2008; Other Telecom approvals as required by individual countries
Sustainable impact specifications	Contains post-consumer recycled plastic; ENERGY STAR® certified
Country of origin	Made in Vietnam
What's in the box[2]	499Q5F Power cord; Toner cartridge; User Guide; Flyers; CD (only for #BBU, #AAC)
Warranty	One-Year limited warranty. For more information please visit https://www.support.hp.com [15]

Footnotes

[1] Measured using ISO/IEC 24734 and excludes first set of test documents. For more information, see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[2] 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 12 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: https://www.hp.com/go/mobileprinting
[3] Requires HP app download available at https://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 https://www.hpsmart.com
[4] HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See https://www.hp.com/ecosmart
[5] HP Web Jetadmin is available for download at no additional charge at https://www.hp.com/go/webjetadmin
[6] Plastic reduction of TerraJet Toner Cartridges calculated based on cartridge weight compared to predecessors. See https://www.hp.com/TerraJet/plasticreductions
[7] HP calculations based on normalized Energy Star® TEC data of HP LaserJet Pro and Enterprise series with HP TerraJet Cartridges compared to predecessors. See https://www.hp.com/TerraJet/energysaving
[8] Standard print mode for HP Color LaserJet Pro series with HP TerraJet Toner Cartridges compared to predecessors. See https://www.hp.com/TerraJet/colors
[9] HP Planet Partners program availability varies. For details, see https://www.hp.com/recycle
[10] HP Security Manager must be purchased separately. For details, see https://www.hp.com/go/securitymanager
[11] Buyers Lab (BLI) 2022-2024 Most Reliable A4 Brand Award based on devices tested by Keypoint Intelligence from 2017 to 2021. See https://www.keypointintelligence.com/view-award?region=&id=135871174680
[12] HP office-class printing systems are select Managed and Enterprise devices with FutureSmart firmware 4.5 and up, Pro devices, LaserJet models 200 and up, with respective Original HP Toner, PageWide and Ink Cartridges. Does not include HP integrated printhead cartridges. Digital supply-chain tracking, hardware, chips and packaging security features vary locally by SKU. See https://www.hp.com/cartridgesecurity
[13] Based on 2023 Q2 shipments in the IDC Worldwide Quarterly Hardcopy Peripherals Tracker®, 2023 Q2 Release. Includes shipments of all printing devices (inkjet printers, laser printers, copiers and multifunction devices, including production units).
[14] This HP printing system is awarded the Blue Angel according to DE-UZ 219 in commercial use for the following 33 countries: Germany, Austria, Switzerland, France, United Kingdom, Ireland, Sweden, Denmark, Finland, Norway, Belgium, Netherlands, Luxembourg, Italy, Spain, Portugal, Poland, Czech Republic, Slovakia, Slovenia, Hungary, Croatia, Romania, Bulgaria, Greece, Estonia, Latvia, Lithuania, Serbia, Turkey, Israel, Morocco, South Africa.
[15] HP works collaboratively with our partners including WWF and Conservation International to manage, restore, and protect forests in many countries around the world. With HP, every print—regardless of paper brand—is addressed through HP's Forest Positive Framework to counteract risks of deforestation. To learn more visit https://www.hp.com/forestfirst

Technical specifications disclaimers

[1] 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. Energy Star value typically based on measurement of 115V device.
[2] For yield information on the cartridge(s) included with your printer, see https://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.
[3] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield
[4] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application and document complexity.
[5] End to End Dimensions when printer is setup and on standby
[6] Configuration tested: base model, simplex printing, A4 paper at an average of 25 ppm
[7] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[9] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[10] 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.
[11] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[12] Energy Star: 0.338 kWh/week
[13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[14] Windows Server 2016, Windows Server 2019, Windows Server 2022, Linux (For more information see https://www.developers.hp.com/hp-linux-imaging-and-printing)
[15] Warranty and support options vary by product, country, and local legal requirements

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