

# HP LaserJet Pro MFP 4103fdw Printer



Get blazing fast printing speeds, high-volume scanning, and easy management with LaserJet Pro.

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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>

## Maximum productivity

- Support your dynamic workteam with this high-speed printer, ideal for up to 10 users.
- Step up your workflow. HP Pro-class print speed reaches up to 42 ppm to meet high-demand environments.<sup>1</sup>
- Scan both sides with a single pass. Dual-sided scanning allows your users to get more done in less time.
- Get productivity in the palm of your hand. Print and save time with Shortcuts from HP Smart.<sup>2</sup>

## Seamless management

- Centralize your print management. HP Web Jetadmin makes it easy with its suite of features.<sup>4</sup>
- Set up your printers quickly. Streamlined setup makes it easy to set up and get back to business.
- Print wirelessly even without the network, stay connected with dual-band Wi-Fi and Wi-Fi direct.<sup>8</sup>

## 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.
- Set configuration policies and validate settings universally with HP Security Manager.<sup>9</sup>



Optimized performance



HP Web Jetadmin



End to end security

Product walkaround

HP LaserJet Pro MFP 4103fdw Printer

- 1. Designed for worksteams of up to 10 users
- 2. Pre-configured security settings
- 3. Walk-up USB
- 4. Automatic 2-sided printing
- 5. Dual-band WiFi® with self heal, USB and Ethernet
- 6. Print speeds up to 40 ppm A4



Accessories, Supplies and Support

Supplies	W1030XC HP Black Contract LaserJet Toner Cartridge (Average cartridge yields 10,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1510A HP 151A Black LaserJet Toner Cartridge (Average cartridge yields 3,050 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1510X HP 151X Black LaserJet Toner Cartridge (Average cartridge yields 9,700 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
Accessories	D9P29A HP LaserJet Pro 550-sheet Feeder Tray
Service and Support	U42TYE HP 2 year Next Business Day Service for LaserJet Pro MFP 410x U42TZE HP 3 year Next Business Day Service for LaserJet Pro MFP 410x U42U2E HP 2 year 4 hour 9x5 Service for LaserJet Pro MFP 410x U42U3E HP 3 year 4 hour 9x5 Service for LaserJet Pro MFP 410x U42U7E HP 3 year Return to Depot Service for LaserJet Pro MFP 410x U42U8PE HP 1 year Post Warranty Next Business Day Service for LaserJet Pro MFP 410x U42U9PE HP 1 year Post Warranty 4 hour 9x5 Service for LaserJet Pro MFP 410x U42V1PE HP 1 year Post Warranty Return to Depot Service for LaserJet Pro MFP 410x U9JT1E HP Installation Service w/Network Personal Scanner & Printer

## Technical specifications

Model	HP LaserJet Pro MFP 4103fdw Printer
Product number	22629A
Functions	Print, copy, scan, fax
Control panel	2.7" Color Touchscreen
<b>Print</b>	
Print technology	Laser
Print speed <sup>1</sup>	<b>Black (A4, normal):</b> Up to 40 ppm ; <b>Black (A4, duplex):</b> Up to 34 ipm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 6.3 sec ; <b>Black (A4, sleep):</b> As fast as 8.8 sec
Print resolution	<b>Black (best):</b> Fine Lines (1200 x 1200 dpi) ; <b>Technology:</b> HP FastRes 1200, HP ProRes 1200, Economode
Monthly duty cycle	Up to 80,000 pages A4; <b>Recommended monthly page volume:</b> 750 to 4,000
Printer smart software features <sup>3</sup>	Auto duplex and booklet printing, N-up printing, collation, watermarks, install printer driver only, Economode for toner savings, accepts a variety of paper sizes and types
Standard print languages	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Fonts and typefaces	84 scalable TrueType fonts
Print area	<b>Print margins:</b> Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area : 207.4 x 347.1mm
Duplex printing	Automatic (default)
<b>Copy</b>	
Copy speed	<b>Black (A4):</b> Up to 40 cpm
Copier specifications	ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Quality (Draft/Normal/Best); Save Current Settings; Restore Factory Defaults; <b>Maximum number of copies:</b> Up to 9999 copies; <b>Reduce/Enlarge:</b> 25 to 400%
<b>Scan</b>	
Scan speed <sup>11</sup>	<b>Normal (A4):</b> Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color); <b>Duplex (A4):</b> Up to 46 ipm (b&w), up to 34 ipm (color)
Scan file format	PDF, JPG, TIFF
Scanner specifications	<b>Scanner type:</b> Flatbed, ADF; <b>Scan technology:</b> Contact Image Sensor (CIS); <b>Scan input modes:</b> Front-panel scan, copy, email, or file buttons; HP Scan software, and user application via TWAIN or WIA; <b>Twain version:</b> Version 2.3; <b>Duplex ADF scanning:</b> Yes; <b>Optical scan resolution:</b> Up to 1200 x 1200 dpi
Scanner advanced features	Single-pass 2-sided scanning ADF; Scan to cloud (Google Drive and DropBox) Scan to email with LDAP email address lookup, Scan to network folder; Scan to USB, Scan to Microsoft SharePoint®; Scan to computer with software, Fax archive to network folder; Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets
Recommended monthly scan volume	750 to 4000
Scannable area	<b>Maximum media size (flatbed):</b> 216 x 297 mm; <b>Minimum media size (ADF):</b> 102 x 152 mm; <b>Maximum media size (ADF):</b> 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
<b>Fax</b>	
Fax	Yes, 33.6 kbps
Fax specifications	<b>Fax memory:</b> Up to 400 pages; <b>Fax resolution:</b> Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; <b>Quick dialing:</b> Up to 200 numbers
Fax smart software features	Auto fax reduction; Auto redialing; Delayed sending; Fax forwarding; TAM interface; Junk barrier; Distinctive ring detection; Cover page; Block Fax; Billing codes; Save and load; Fax activity reports; Dial prefix setting; Print fax log; HP Digital Fax
Processor speed	1200 Mhz
<b>Connectivity</b>	
Standard	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet LAN 10/100/1000BASE-T network; 802.3az(EEE); 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio + BLE
Mobile printing capability	HP Smart App; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing
Supported network protocols	TCPIP; IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Apple AirPrint™, Mopria, IPP Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6), SSL Security and Certificate management; Management: SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download
Network capabilities	Yes, via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Hard disk	No
Memory	Standard: 512 MB ;Maximum: 512 MB
<b>Media handling</b>	
Number of paper trays	<b>Standard:</b> 2 ; <b>Maximum:</b> 3
Media types	Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough), envelopes, labels;
Media size	<b>Custom (metric):</b> Tray 1: 76.2 x 127 to 215.9 x 355.6 mm; Tray 2, 3: 104.9 x 148.59 to 215.9 x 355.6 mm <b>Supported (metric):</b> Tray 1: A4; A5; A6; B5 (US); Office (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Japanese Postcard; Double Japan Postcard Rotated; Envelope #10; Envelope Monarch; Envelope C5; Envelope DL; Custom Size: 4 x 6 in; 5 x 8 in; Statement; Tray 2 & Tray 3: A4; A5; A6; B5 (US); Office (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; 4 x 6 in; B6 (US) ADF: Letter; Legal; A4; custom sizes 102 x 152 to 216 x 356 mm
Media handling	<b>Standard input:</b> 100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF) <b>Standard output:</b> 150-sheet output bin <b>Optional input:</b> Optional third 550-sheet tray
Media weight	Tray 1: 60 to 200 g/m²; tray 2, optional 550-sheet tray 3: 60 to 120 g/m²
Input capacity	<b>Tray 1:</b> Sheets: 100; Envelopes: 10 <b>Tray 2:</b> Sheets: 250 <b>Tray 3:</b> Sheets: 550 (optional) <b>Maximum:</b> Up to 900 sheets (with Optional 550-sheet tray) <b>ADF:</b> Standard, 50 sheets
Output capacity	<b>Standard:</b> Up to 150 sheets Envelopes: Up to 10 envelopes <b>Maximum:</b> 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; macOS 13 Ventura; Chrome OS
Compatible network operating systems	Windows 8; Windows Server; Linux; Citrix; Novell
Minimum system requirements	<b>Windows:</b> 2 GB available hard disk space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see microsoft.com; <b>Mac:</b> 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 <a href="http://hp.com">http://hp.com</a> ; <a href="http://1723.hp.com">http://1723.hp.com</a> ;
Security management	Management security: SNMP v1 v2 v3, SSL/TLS (HTTPS), 802.1x authentication; wireless network security: WPA (Wi-Fi Protected Access) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, LEAP, EAP-TLS) with RADIUS servers
Printer management	HP Printer Assistant; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent (Part of HP WebJetAdmin); HP WS Proxy Agent (Part of HP WebJetAdmin); Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver; Deployment Utility - Managed Printing Administrator)
<b>Dimensions and weight</b>	
Printer dimensions (W x D x H)	<b>Minimum:</b> 420 x 390 x 323 mm; <b>Maximum:</b> 430 x 634 x 325 mm
Printer weight	12.6 kg
Operating environment	<b>Temperature:</b> 10 to 32.5°C <b>Humidity:</b> 30 to 70% RH
Storage conditions	<b>Temperature:</b> -20 to 40°C
Acoustics	<b>Acoustic power emissions:</b> 6.7 dB(A) <b>Acoustic pressure emissions:</b> 54 dB(A)
Power	<b>Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%); 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%); 50/60 Hz (+/- 2 Hz) (Not dual voltage, product varies by part number with # Option code identifier); <b>Consumption:</b> 510 watts (active printing), 7.5 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off); <b>Typical Electricity Consumption (TEC)</b> <sup>10</sup> : 0.40 kWh/Week (Blue Angel); 0.44 kWh/Week (Energy Star 3.0); <b>Power supply type:</b> Internal (Built-in) power supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; EcoSmart black toner
Certifications	RCM (Australia), TÜV 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, Argentina, Indonesia, Singapore, Philippines, etc. <b>Electromagnetic emission standard:</b> CISPR 32:2015 Class B / EN 55032:2015 Class B; CISPR 35:2016 / EN 55035:2017 Class B; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 61000-4-1:2016; FCC CFR 47 Part 15 Class B; ICES-003, Issue 7 Class B (TC EDO Declaration) <b>Blue Angel compliant</b> <sup>9</sup> No, please refer to the ECI (Ecolabel Comparison Information) document <b>Telecom compliance:</b> ETSI EN 301 489-1 V2.2.3; ETSI EN 301 489-17 V3.2.4
Sustainable impact specifications	Recyclable through HP Planet Partners; Contains post-consumer recycled plastic
Country of origin	Made in China; Made in Brazil (22629#696, #697, #A08)
What's in the box <sup>2</sup>	22629A HP Black Original LaserJet Toner Cartridge (~3,050 Pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable (AP & Wireless Only)
Warranty	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)

## Footnotes

- <sup>1</sup> Measured using ISO/IEC 24734 and excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- <sup>2</sup> Requires HP app download available at [www.hp.com/go/mobileprinting](http://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](http://www.hpsmart.com).
- <sup>4</sup> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).
- <sup>5</sup> HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See [hp.com/ecosmart](http://hp.com/ecosmart)
- <sup>6</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.
- <sup>7</sup> Recycling: Program availability varies. Original HP cartridge return and recycling is currently available in more than 60 countries, territories and regions in Asia, Africa, Europe, and North and South America through the HP Planet Partners program. For details, see [hp.com/recycle](http://hp.com/recycle).
- <sup>8</sup> 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: [www.hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting)
- <sup>9</sup> HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager).

## Technical specifications disclaimers

- <sup>1</sup> Job Storage feature requires a purchase of separate USB flash drive with a minimum of 16 GB capacity.
- <sup>2</sup> For yield information on the cartridge included with your printer, see <http://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors.
- <sup>3</sup> Savings claim toner – Based on monthly subscription cost of HP Instant Ink monochrome toner service 1,500-page plan without purchase of additional
- <sup>4</sup> Declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/toneryield>
- <sup>5</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <sup>6</sup> Measured using ISO/IEC 24734 Feature Performance Test, 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.
- <sup>7</sup> 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.
- <sup>8</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- <sup>9</sup> 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 and 230V for Blue Angel. Please be aware that HP LaserJet Pro 4001 and MFP 4101 series products are ENERGY STAR 3.0 certified in the US and the functionally equivalent HP LaserJet Pro 4003 and MFP 4103 series meet ecolabel energy efficiency limits.
- <sup>10</sup> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
- <sup>11</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

