



# HP LaserJet Pro MFP 4103fdw Printer (2Z629A)



## Overview

**Power office productivity with blazing speed, reliable hardware, and connectivity.**

This printer is built for maximum productivity with fast speeds and reliable hardware, delivering effortless everyday use from wherever work happens so you can focus more on your business.

### **Maximum performance.**

Support your dynamic workteam with this high-speed smart printer, ideal for up to 10 users.

### **Maximum productivity.**

Automate to accomplish more. Simple shortcuts enable your people complete multistep tasks with just a touch.

### **Seamless management**

Connect your HP printers. Robust features and smart tools help your people do more, wherever work happens.

### **HP Wolf Pro Security.**

Proactive security comes enabled out of the box with preconfigured settings and regular updates.

## Features

Large workteam solution.      HP Pro-class print speed<sup>[1]</sup>

Dual-sided scanning.      Walk-up USB

HP Smart.<sup>[2]</sup>

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*[1] 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.*

*[2] Requires the HP Smart app download. For details on local printing requirements see [www.hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting). Certain features/software are available in English language only, and differ between desktop and mobile applications. Subscription may be required; subscription may not be available in all countries. See details at [www.hpsmart.com](http://www.hpsmart.com). Internet access required and must be purchased separately. HP account required for full functionality. For more information, see [www.hpsmart.com](http://www.hpsmart.com).*

## Specifications

<b>Print Resolution Technologies</b>	HP FastRes 1200, HP ProRes1200, Economode
<b>Print quality black (best)</b>	Fine Lines (1200 x 1200 dpi)
<b>Print speed black (ISO, A4)</b>	Up to 40 ppm
<b>Print speed black (ISO, letter)</b>	Up to 42 ppm
<b>Print speed</b>	Prints up to 42/40 ppm (LTR/A4)
<b>Functions</b>	Print, copy, scan, fax
<b>Duplex printing</b>	Automatic (default)
<b>Duty cycle (monthly, A4)</b>	Up to 80,000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 80,000 pages
<b>Printer smart software features</b>	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 <sup>[1]</sup>
<b>Scanner advanced features</b>	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
<b>Fax smart software features</b>	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
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology; EcoSmart black toner
<b>Replacement cartridges</b>	HP 151A Black Original LaserJet Toner Cartridge (~3,050 pages), W1510A; HP 151X Black Original LaserJet Toner Cartridge (~9,700 pages), W1510X [4]
<b>Supplies feature</b>	HP JetIntelligence Cartridge
<b>Connectivity, standard</b>	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
<b>Modem</b>	33.6 kbps
<b>Network capabilities</b>	Yes, via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
<b>Mobile printing capability</b>	HP Smart App; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing
<b>Network protocols, supported</b>	TCP/IP, 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
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> ; <a href="http://123.hp.com">http://123.hp.com</a> ;

<b>Compatible Operating Systems</b>	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
<b>Technical features</b>	ADF; AirPrint; Automatic two-sided printing; Compact size; ENERGY STAR®; Fast First Page Out; Ethernet; HP Auto-On/Auto-Off; JetIntelligence Toners; Private Print via PIN; Professional print quality; Scan-to-cloud; Scan-to-email; Scan-to-folder; Touchscreen; Walk-up USB (doc, ppt, pdf, jpg); Wireless Direct; Wireless
<b>Sustainable impact specifications</b>	Recyclable through HP Planet Partners; Contains post-consumer recycled plastic
<b>Energy star certified</b>	Yes
<b>Ecolabels</b>	IT ECO Declaration
<b>Blue Angel compliant</b>	No, please refer to the ECI (Ecolabel Comparison Information) document
<b>Copy speed (black, normal quality, A4)</b>	Up to 40 cpm
<b>Copy speed black (normal, letter)</b>	Up to 42 cpm
<b>Copy speed black duplex (A4)</b>	Up to 34 cpm
<b>Copy speed black duplex (Letter)</b>	Up to 36 cpm
<b>Fax Resolution Black (best)</b>	Up to 300 x 300 dpi
<b>Faxing</b>	Yes
<b>Scan speed (normal, A4)</b>	Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color)
<b>Scan speed (normal, letter)</b>	Up to 31 ppm/49 ipm (b&w), up to 21 ppm/36 ipm (color)
<b>Scan file format</b>	PDF, JPG, TIFF
<b>Scan input modes</b>	Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA
<b>Scan technology</b>	Contact Image Sensor (CIS)
<b>Scanner type</b>	Flatbed, ADF
<b>Display area (imperial)</b>	2.13 x 1.59 in
<b>Display area (metric)</b>	5.4 x 4.05 cm
<b>Display</b>	2.7" (6.86 cm) intuitive color touchscreen (CGD)
<b>Minimum dimensions (W x D x H)</b>	420 x 390 x 323 mm <i>(without trays and covers not extended)</i>
<b>Minimum dimensions (W x D x H)</b>	16.54 x 15.35 x 12.72 in <i>(without trays and covers not extended)</i>
<b>Weight</b>	12.6 kg
<b>Weight</b>	27.78 lb
<b>Power 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) <i>(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.)</i>

**Power supply type**

Internal (Built-in) power supply

**What's in the box**

Preinstalled HP Black Original LaserJet Toner Cartridge; Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable (AP & Wireless Only)<sup>[2]</sup>

**Manufacturer 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 [hp.com/support](http://hp.com/support) to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)

## Additional specifications

<b>Acoustic power emissions (active scan)</b>	6.2 B(A)
<b>Acoustic power emissions (active, printing)</b>	6.7 B(A)
<b>Acoustic power emissions (ready)</b>	Inaudible
<b>Acoustic power note</b>	Configuration tested: base model, simplex printing, A4 paper at an average of 40 ppm
<b>Acoustic pressure emissions bystander (active scan)</b>	48 dB(A)
<b>Acoustic pressure emissions bystander (active, printing)</b>	54 dB(A)
<b>Acoustic pressure emissions bystander (ready)</b>	Inaudible
<b>Auto fax reduction supported</b>	Yes
<b>Automatic document feeder capacity</b>	Standard, 50 sheets
<b>Automatic paper sensor</b>	No
<b>Bit depth</b>	24-bit
<b>Blue Angel footnote</b>	[9] 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.
<b>Bottom margin (A4)</b>	4.3 mm
<b>Business filter</b>	cMPS
<b>Cable included</b>	Yes, 1 USB; 1 USB PC to Printer (AP and Wireless); No, please purchase USB cable separately (EMEA, NA)
<b>Cartons per layer</b>	6
<b>Certifications and compliances</b>	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, Argentina, Indonesia, Singapore, Philippines, etc.
<b>Color or black</b>	Black and white
<b>Color scanning</b>	Yes
<b>Compatible Network Operating Systems</b>	Windows 8; Windows Server; Linux; Citrix; Novell
<b>Component type</b>	Printer
<b>Control panel</b>	2.7" Color Touchscreen
<b>Copier scaling (ADF)</b>	25 to 400%

<b>Copier settings</b>	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>Copies, maximum</b>	Up to 9999 copies
<b>Copy reduce / enlarge settings</b>	25 to 400%
<b>Copy resolution (black text)</b>	Up to 600 x 600 dpi
<b>Copy resolution (color text and graphics)</b>	Up to 600 x 600 dpi
<b>Copy speed note</b>	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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application and document complexity.
<b>Count of layers in pallet</b>	AMS: 5, EMEA/APJ: 4
<b>Country of origin</b>	Made in China; Made in Brazil (2Z629#696, #697, #AC8)
<b>Distinctive ring detection supported</b>	Yes
<b>Downloadable software</b>	From <a href="http://123.hp.com">http://123.hp.com</a> - HP Easy Start (Guided Software Install for Windows and Mac); From <a href="http://hp.com">http://hp.com</a> for Windows OS-Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support, From <a href="http://hp.com">http://hp.com</a> for Mac OS-, HP Mac OS Print Driver, HP Easy Admin, For Mobile OS-, iOS For more information see <a href="http://hp.com/go/businessmobileprinting">http://hp.com/go/businessmobileprinting</a> , Android For more information see <a href="http://hp.com/go/businessmobileprinting">http://hp.com/go/businessmobileprinting</a> , From <a href="http://hp.com">http://hp.com</a> for printer administrators-, Printer Administrator Resource Kit (Driver Configuration, Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers PCL6 GDI & PS GDI for Windows For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , SAP Print Drivers for more information see <a href="http://support.hp.com/us-en/document/c05051702">http://support.hp.com/us-en/document/c05051702</a> , HP Web JetAdmin, HP JetAdvantage Security Manager, HPLIP Linux, Printer Driver for more information see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> , Unix Model Script Printer Driver for more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, Supported Operating systems, For more information on the supported operating systems also see <a href="http://www.hp.com/go/upd">www.hp.com/go/upd</a> , HP Smart Suite- Basic (Only supported on Windows 10 and above), HP Smart Suite- Advanced (Only supported on Windows 10 and above), HP SmartApp (Only supported on Windows 10 and above), HP SmartDriver, HP PrintScanDr, HP WebJetAdmin + Workpath, HP Command Center, Chrome Extension, Android Plug-in;
<b>Driver updates</b>	Current HP printer drivers and software can be obtained from the HP Customer Care Web site: Go to <a href="http://www.hp.com/support/">http://www.hp.com/support/</a> (country/region may need to be selected), Select "Support", Select "Software and Drivers" Select "Printer" Enter a product name/number (The operating system is automatically detected), Select a driver or other software, Select "Download";
<b>Duplex ADF scanning</b>	Yes

<b>Duty cycle note</b>	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.
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Ecolabels footnote</b>	[5] EPEAT® registered where applicable. EPEAT registration varies by country. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status by country.
<b>Electromagnetic compatibility</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 61000-4-12:2016; FCC CFR 47 Part 15 Class B; ICES-003, Issue 7 Class B
<b>Engine life</b>	200000
<b>Enhanced scanning resolution</b>	Up to 1200 x 1200 dpi
<b>Envelope Feeder</b>	No
<b>Fax Auto Redial</b>	Yes
<b>Fax Broadcast Locations</b>	0
<b>Fax PC Interface Supported</b>	Yes
<b>Fax Polling</b>	No
<b>Fax Remote Retrieval</b>	Yes (receive only)
<b>Fax Speed Dials, Maximum Number</b>	Up to 200 numbers
<b>Fax Transmission Speed</b>	33.6 kbps (maximum); 14.4 kbps (default)
<b>Fax Transmission Speed Note</b>	Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
<b>Fax delayed sending</b>	No
<b>Fax forwarding</b>	Yes
<b>Fax memory</b>	Up to 400 pages
<b>Fax memory</b>	Up to 400 pages
<b>Fax phone TAM interface supported</b>	Yes
<b>Fax resolution black</b>	Up to 203 x 196 dpi
<b>Fax telephone mode supported</b>	Yes
<b>Fax transmission speed (letter)</b>	6 sec per page
<b>Finished output handling</b>	Sheetfeed
<b>First copy out black (A4)</b>	As fast as 7.2 sec
<b>First copy out black (A4, sleep)</b>	As fast as 9.5 sec
<b>First copy out black (letter)</b>	As fast as 6.8 sec
<b>First copy out black (letter, sleep)</b>	As fast as 9.1 sec
<b>First page out black (A4, ready)</b>	As fast as 6.3 sec

<b>First page out black (A4, sleep)</b>	As fast as 8.8 sec
<b>First page out black (letter, ready)</b>	As fast as 6.1 sec
<b>First page out black (letter, sleep)</b>	As fast as 8.6 sec
<b>First page out footnote</b>	[8] Measured using ISO/IEC 17629. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
<b>Fonts and typefaces</b>	84 scalable TrueType fonts
<b>Input capacity</b>	Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets)
<b>Internal Storage</b>	No
<b>Junk fax barrier</b>	Yes, CSID matching only (Caller ID not supported)
<b>Left margin (A4)</b>	4.3 mm
<b>Levels of grayscale</b>	256
<b>Mac compatible</b>	Yes
<b>Maximum Input Capacity (envelopes)</b>	Up to 10 envelopes
<b>Maximum Memory</b>	512 MB
<b>Maximum dimensions (W x D x H)</b>	16.93 x 25 x 12.8 in
<b>Maximum dimensions (W x D x H)</b>	430 x 634 x 325 mm
<b>Maximum input capacity (sheets)</b>	Up to 900 sheets (with Optional 550-sheet tray)
<b>Maximum metric depth</b>	635 mm
<b>Maximum metric height</b>	325 mm
<b>Maximum metric width</b>	430 mm
<b>Maximum output capacity (sheets)</b>	Up to 150 sheets
<b>Maximum print area</b>	207.4 x 347.1mm
<b>Media size (ADF)</b>	Letter; Legal; A4; custom sizes 102 x 152 to 216 x 356 mm
<b>Media size, tray 1</b>	Letter; Legal; Executive; Oficio (8.5 x 13 in); A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; 5 x 8 in; B6 (JIS); Statement
<b>Media size, tray 2</b>	Letter; Legal; Executive; Oficio (8.5 x 13 in); A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; 5 x 8 in; B6 (JIS); Statement
<b>Media size, tray 3</b>	Letter; Legal; Executive; Oficio (8.5 x 13 in); A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; 5 x 8 in; B6 (JIS); Statement
<b>Media sizes supported</b>	Tray 1: A4; A5; A6; B5 (JIS); Oficio (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 B5; Envelope C5; Envelope DL; Custom Size; 4 x 6 in; 5 x 8 in; Statement; Tray 2 & Tray 3: A4; A5; A6; B5 (JIS); Oficio (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 (JIS)

<b>Media sizes supported</b>	Tray 1: Letter; Legal; Executive; Oficio (8.5 x 13 in); 16K; Japanese Postcard; Double Japan Postcard Rotated; Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; 4 x 6 in; 5 x 8 in; Statement; Tray 2 & Tray 3: Letter; Legal; Executive; Oficio (8.5 x 13 in); Custom Size; 5 x 8 in; Statement
<b>Media sizes supported, key</b>	10 x 15 cm; A4; Envelopes
<b>Media sizes supported, key</b>	4 x 6 in; Letter; Legal; Envelopes
<b>Media sizes, custom</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>Media sizes, custom</b>	Tray 1: 3 x 5 to 8.5 x 14 in, Tray 2, 3: 4.12 x 5.83 to 8.5 x 14 in
<b>Media type and capacity, ADF</b>	Sheets: 50 uncurled
<b>Media type and capacity, tray 1</b>	Sheets: 100; Envelopes: 10
<b>Media type and capacity, tray 2</b>	Sheets: 250
<b>Media type and capacity, tray 3</b>	Sheets: 550 (optional)
<b>Media types</b>	Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels;
<b>Media weight (tray 1)</b>	60 to 200 g/m <sup>2</sup>
<b>Media weight (tray 2)</b>	60 to 120 g/m <sup>2</sup>
<b>Media weight (tray 3)</b>	60 to 120 g/m <sup>2</sup> (optional 550-sheet tray)
<b>Media weight, supported</b>	Tray 1: 60 to 200 g/m <sup>2</sup> ; tray 2, optional 550-sheet tray 3: 60 to 120 g/m <sup>2</sup>
<b>Media weight, supported</b>	Tray 1: 16 to 53 lb; tray 2, optional 550-sheet tray 3: 16 to 32 lb
<b>Media weights, supported ADF</b>	16 to 32 lb
<b>Media weights, supported ADF</b>	60 to 120 g/m <sup>2</sup>
<b>Memory</b>	512 MB
<b>Metric depth</b>	390 mm
<b>Metric height</b>	323 mm
<b>Metric width</b>	420 mm
<b>Minimum System Requirements</b>	2 GB available hard disk space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see microsoft.com;
<b>Minimum System Requirements for Macintosh</b>	2 GB available hard drive space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see apple.com;
<b>Native scan file format</b>	PDF; JPG
<b>Number of print cartridges</b>	1 (black)
<b>Number of users</b>	3-10 Users
<b>Operating humidity range</b>	10 to 80% RH (non-condensing)
<b>Operating temperature range</b>	10 to 32.5°C
<b>Operating temperature range</b>	50 to 90.5°F
<b>Output capacity</b>	Up to 150 sheets
<b>Package dimensions (W x D x H)</b>	19.6 x 15.7 x 19.3 in

<b>Package dimensions (W x D x H)</b>	497 x 398 x 490 mm
<b>Package weight</b>	34.2 lb
<b>Package weight</b>	15.5 kg
<b>Page yield (set-up/inbox cartridges)</b>	~3,050 black pages
<b>Pallet dimensions</b>	AMS: 47.2 x 39.4 x 102.4 in, EMEA/APJ: 47.2 x 39.4 x 83.1 in
<b>Pallet dimensions (W x D x H)</b>	AMS: 1200 x 1000 x 2601 mm, EMEA/APJ: 1200 x 1000 x 2111 mm
<b>Pallet weight</b>	AMS = 485 kg, EMEA/APJ = 393 kg
<b>Pallet weight</b>	AMS = 1070 lb, EMEA/APJ = 865 lb
<b>Paper handling input, optional</b>	Optional third 550-sheet tray
<b>Paper handling input, standard</b>	100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF)
<b>Paper handling output, standard</b>	150-sheet output bin
<b>Paper trays, maximum</b>	3
<b>Paper trays, standard</b>	2
<b>Power</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>Print Technology</b>	Laser
<b>Print colors</b>	No
<b>Print languages</b>	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
<b>Print quality black (normal)</b>	Normal (native 600 x 600 dpi; enhanced up to 4800 x 600 dpi)
<b>Print resolution black (fine lines)</b>	Fine Lines (1200 x 1200 dpi)
<b>Print speed black (Landscape, A5)</b>	Up to 63 ppm
<b>Print speed black (Portrait, A5)</b>	Up to 14 ppm
<b>Print speed duplex (A4)</b>	Up to 34 ipm
<b>Print speed duplex (letter)</b>	Up to 36 ipm
<b>Print speed footnote (A5)</b>	[6] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
<b>Print speed footnote number (A5)</b>	[6]
<b>Print technology</b>	Laser
<b>Printer Management</b>	HP Printer Assistant; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent (Part of HP WebJetAdmin); HP WS Pro 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>Printer black pages (MPV black)</b>	1850
<b>Printer smart software features footnote</b>	[1] Job Storage feature requires a purchase of separate USB flash drive with a minimum of 16 GB capacity.
<b>Processor speed</b>	1200 MHz
<b>Product long name specifications</b>	HP LaserJet Pro MFP 4103fdw - Print, Copy, Scan, and Fax; Prints up to 42 ppm (Letter); Scan to email/Folder/ USB/Cloud; Up to 80,000 page duty cycle; 750-4,000 recommended monthly page volume; Gigabit ethernet networking; Dual-band wireless networking; Bluetooth low-energy; Wi-Fi Direct; Auto-duplex printing; Single-pass 2 sided scanning
<b>Product short name specifications</b>	HP LaserJet Pro MFP 4103fdw Printer, Black and white, Printer for Small medium business, Print, copy, scan, fax, Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Two-sided scanning; Scan to email; Scan to PDF; Fax; Front USB flash drive port; Optional high-capacity trays; Touchscreen; JetIntelligence cartridge
<b>Quantity per pallet</b>	AMS: 30, EMEA/APJ: 24
<b>RMN number</b>	SHNGC-1801-02
<b>Recommended media weight (duplex)</b>	60 to 120 g/m <sup>2</sup>
<b>Recommended media weight (duplex)</b>	16 to 32 lb
<b>Recommended monthly page volume</b>	750 to 4,000
<b>Recommended monthly page volume note</b>	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.
<b>Recommended monthly scan volume</b>	750 to 4000
<b>Recommended monthly scan volume note</b>	750 - 4,000
<b>Recommended operating humidity range</b>	30 to 70% RH
<b>Recommended operating temperature range</b>	59 to 80.6°F
<b>Recommended operating temperature range</b>	15 to 27°C
<b>Replacement cartridges footnote</b>	[4] Declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://www.hp.com/go/toneryield">http://www.hp.com/go/toneryield</a>
<b>Resolution</b>	Up to 1200 x 1200 dpi
<b>Resolution (black and white, standard mode)</b>	203 x 98 dpi
<b>Resolution (black and white, superfine mode)</b>	Up to 300 x 300 dpi
<b>Resolution (black photo grayscale)</b>	300 x 300 dpi (halftone)

<b>Right margin (A4)</b>	4.3 mm
<b>Safety</b>	IEC 60950-1:2005 +A1:2009 +A2:2013; IEC 62368-1:2014 / EN 62368-1:2014; IEC 60825-1:2014 / EN 60825-1:2014; IEC 62479:2010 / EN 62479:2010
<b>Scan resolution, hardware</b>	Flatbed (Up to 1200 x 1200 dpi); ADF (Up to 300 x 300 dpi)
<b>Scan resolution, optical</b>	Up to 1200 x 1200 dpi
<b>Scan size (ADF), maximum</b>	8.5 x 14 in
<b>Scan size (ADF), maximum</b>	216 x 356 mm
<b>Scan size (ADF), minimum</b>	102 x 152 mm
<b>Scan size (ADF), minimum</b>	4 x 6 in
<b>Scan size, maximum</b>	216 x 297 mm
<b>Scan size, maximum</b>	8.5 x 11.7 in
<b>Scan speed duplex (normal, A4)</b>	Up to 46 ipm (b&w), up to 34 ipm (color)
<b>Scan speed duplex (normal, letter)</b>	Up to 49 ipm (b&w), up to 36 ipm (color)
<b>Scan speed footnote</b>	[11] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
<b>Segment (filter)</b>	Small medium business
<b>Software scan file format</b>	Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;
<b>Standard media sizes (duplex)</b>	A4; Oficio; Letter; Legal
<b>Standard media sizes (duplex, imperial)</b>	Letter; Legal; Oficio; A4
<b>Standard output capacity (envelopes)</b>	Up to 10 envelopes
<b>Storage</b>	Optional Job Storage via external rear host USB port (minimum 16 GB)
<b>Storage device and direct print support</b>	USB Printing; Optional job storage via external rear host USB port (Minimum 16GB)
<b>Storage temperature range</b>	-4 to 104°F
<b>Storage temperature range</b>	-20 to 40°C
<b>Target user and print volume</b>	For teams up to 10 users; Prints up to 4,000 pages/month
<b>Tariff numbers</b>	(AM) 8443310000; (EU) 8443310000; (AP)84433129
<b>Telecom compliance (fax capability)</b>	ETSI EN 301 489-1 V2.2.3; ETSI EN 301 489-17 V3.2.4
<b>Telephone handset supported</b>	No
<b>Top key features</b>	Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Two-sided scanning; Scan to email; Scan to PDF; Fax; Front USB flash drive port; Optional high-capacity trays; Touchscreen; JetIntelligence cartridge
<b>Top margin (A4)</b>	4.3 mm

<b>Twain version</b>	Version 2.3
<b>Typical electricity consumption (TEC) footnote</b>	[10] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
<b>Typical electricity consumption (TEC) number</b>	0.40 kWh/Week (Blue Angel); 0.44 kWh/Week (Energy Star 3.0) <sup>[10]</sup>
<b>UNSPSC code</b>	43212110
<b>UPC number</b>	(696) 195161936456; (697) 195161936487; (AB0) 195161936494; (ABJ) 195161936500; (AC8) 195161936531; (ACQ) 195161936548; (B13) 195161936562; (B19) 195161936586; (BBU) 195161936593; (BGJ) 195161936609
<b>Warm-up time</b>	As fast as 45 sec
<b>Waste electrical and electronic weight</b>	12.6 kg
<b>Web address for additional information</b>	<a href="http://hp.com/support/ljmf4101-4104">hp.com/support/ljmf4101-4104</a>
<b>What is in the box footnote</b>	[2] For yield information on the cartridge included with your printer, see <a href="http://www.hp.com/go/toneryield">http://www.hp.com/go/toneryield</a> . Yield values measured in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors.

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[1] Job Storage feature requires a purchase of separate USB flash drive with a minimum of 16 GB capacity.

[2] 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.

[4] 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>

[10] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

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## Ink/Toner/Paper/Printer Supplies

### HP Laser Toner Cartridges and Kits

★ : Recommended

#### HP LaserJet Contract Toner Cartridges

HP Black Contract LaserJet Toner Cartridge	<b>W1030XC ★</b>
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#### HP Black and White Laser Toner Printer Cartridges

HP 151A Black LaserJet Toner Cartridge	<b>W1510A ★</b>
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HP 151X Black LaserJet Toner Cartridge	<b>W1510X ★</b>
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HP 148A Black Original LaserJet Toner Cartridge	W1480A
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HP 148X High Yield Black Original LaserJet Toner Cartridge	W1480X
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HP 149A Black Original LaserJet Toner Cartridge	W1490A
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HP 149X High Yield Black Original LaserJet Toner Cartridge	W1490X
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HP 152A Black LaserJet Toner Cartridge	W1520A
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HP 152X Black LaserJet Toner Cartridge	W1520X
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# Accessories

## Paper Handling

★ : Recommended

### Input Trays

HP LaserJet Pro 550-sheet Feeder Tray	D9P29A ★
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## Services

### HP Care Pack Services

★ : Recommended

#### Imaging and Printing Hardware Support Onsite Svc

HP 1 year Post Warranty 4 hour 9x5 Service for LaserJet Pro MFP 410x	U42U9PE
HP 1 year Post Warranty Next Business Day Service for LaserJet Pro MFP 410x	U42U8PE
HP 3 year 4 hour 9x5 Service for LaserJet Pro MFP 410x	U42U3E
HP 3 year Next Business Day Service for LaserJet Pro MFP 410x	U42TZE

#### Imaging and Printing Commercial Care Pack Services

HP 1 year Post Warranty Next Business Day Advanced Exchange Service for LaserJet Pro MFP 410x	U42V0PE
HP 1 year Post Warranty Return to Depot Service for LaserJet Pro MFP 410x	U42V1PE
HP 3 year Next Business Day Advanced Exchange Service for LaserJet Pro MFP 410x	U42U6E
HP 3 year Return to Depot Service for LaserJet Pro MFP 410x	U42U7E
HP Installation Service with network configuration for Personal Scanner and Printer (1 unit)	U9JT1E

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