HP LaserJet Pro MFP 3103fdw Printer (3G632A)



Overview

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

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

Powerful productivity.

Support your small workteams with this laser printer, designed for up to 7 users.

HP Wolf Pro Security.

Get printer security out of the box. Preconfigured settings mean it's ready when you are.

Seamless management.

Centralize your print management. HP Web Jetadmin makes it easy with its suite of features. [4]

Sustainable printing

Save up to 20% energy. EcoSmart toner with JetIntelligence balances premium quality with sustainability. [5]

Features

Small workteam solution.

Fast print and duplex speeds.[1]

HP app[2]

HP Web Jetadmin[4]

Simple setup

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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. Exact speed varies depending on the system configuration, software application, driver, and document complexity

[2] 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.

[4] HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.

[5] HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See hp.com/ecosmart.

Specifications

Print Resolution Technologies	600dpi with Resolution Enhancement technology (REt); ProRes 1200
Print quality black (best)	Up to 1200 x 1200 dpi
Print speed black (ISO, A4)	Up to 33 ppm
Print speed black (ISO, letter)	Up to 35 ppm
Print speed	Black (normal, A4): Up to 33 ppm; Black (normal, letter): Up to 35 ppm; Black (Duplex, A4): Up to 20 ipm; Black (Duplex, letter): Up to 21 ipm
Bottom margin (A4)	4.23 mm
Left margin (A4)	4.23 mm
Right margin (A4)	4.23 mm
Top margin (A4)	4.23 mm
Functions	Print, copy, scan, fax
Duplex printing	Automatic (standard)
Duty cycle (monthly, A4)	Up to 50,000 pages
Duty cycle (monthly, letter)	Up to 50,000 pages
Printer smart software features	Automatic duplex, Easy OOBE, Scan Destinations, Smart security, Print always work, Print anywhere
Replacement cartridges	HP 145A Original Black LaserJet Toner CartridgeW1450A (~1,700 yield); HP 145AX Original Black LaserJet Toner CartridgeW1450X (~3,800 yield)[2]
Supplies feature	HP JetIntelligence Cartridge
Connectivity, standard	1 Hi-Speed USB 2.0 (device); Ethernet 10/100 BT; Wireless 802.11b/g/n, Dual band 2.4GHz/5GHz
Network capabilities	10/100Mbps Ethernet; Wireless 802.11b/g/n, Dual band 2.4GHz/5GHz.
Wireless capability	Yes
Mobile printing capability	Apple AirPrint™; Mopria™ certified; HP app; Wi-Fi® Direct Printing
Network protocols, supported	TCP/IP: IPv4; IPv6; IP Direct Mode; LPD; SLP; Bonjour; WS-Discovery; BOOTP/ DHCP/ AutoIP; WINS; SNMP v 1/2/3; and HTTP/HTTPS
Software included	No CD inbox (except Indonesia and China Gov) Downloadable Software from hp.com, hpsmart.com/setup, in-OS app stores. #CD include HP Software Installer, Uninstaller, printer driver and other essential tools
Compatible Operating Systems	Windows 11; Windows 10; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 15 Sequoia; Linux *(Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit), Windows 8, 8.1. Full solution software available only for Windows 10 and newer; For Windows Server 2008 R2 64-bit, 2012 64-bit, 2012 R2 64-bit, 2016 64-bit only print driver is installed. Linux systems use in-OS HPLIP software.)*
Sustainability specifications	Mercury free
Energy star certified	No
Ecolabels	Blue Angel

Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy speed (black, normal quality, A4)	Up to 33 cpm
Copy speed black (normal, letter)	Up to 35 cpm
Copy speed black duplex (A4)	Up to 20 ppm
Copy speed black duplex (Letter)	Up to 21 ppm
Fax Resolution Black (best)	Up to 300 x 300 dpi
Faxing	Yes
Scan speed (normal, A4)	Up to 19 ppm (b&w), up to 8 ppm (color)
Scan speed (normal, letter)	Up to 20 ppm (b&w), up to 9 ppm (color)
Scan file format	JPG, TIFF, XPS, PDF, PDF/A
Scan input modes	HP app; and user applications via Twain
Scan technology	CIS
Scanner type	ADF, flatbed
Display area (imperial)	2.7 in
Display area (metric)	6.85 cm
Display	2.7" CGD; Touch Screen
Dimensions (W x D x H)	418.0 x 398.2 x 313.2 mm
Dimensions (W x D x H)	16.5 x 15.7 x 12.3 in
Weight	10.5kg *(with Starter cartridge)*
Weight	23.1lb *(with Starter cartridge)*
Power consumption	436 watts (active printing), 4.5 watts (ready), 1.31 watts (sleep), 0.06 watts(Manual Off), 0.06 watts (Auto Off/Manual On) *(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. Power consumption values typically based on measurement of 115 V device.)*
Power supply type	Internal (Built-in) power supply
What's in the box	HP LaserJet Pro MFP 3103fdw Printer, Preinstalled HP Black Original LaserJet Toner Cartridge, Setup Guide, Reference Guide, Regulatory Flyer, Warranty Guide, Power cord[1]
Manufacturer Warranty	One-year limited warranty

Additional specifications

Acoustic power emissions (active scan)	ADF scan (color) : 5.4 B(A) ; ADF scan (mono) : 6.1 B(A)
Acoustic power emissions (active, printing)	6.6 B(A) (printing at 33ppm)
Acoustic power emissions (ready)	3.2 B(A)
Acoustic pressure emissions bystander (active scan)	ADF scan (colour) : 40 dB(A); ADF scan (mono) : 47 dB(A)
Acoustic pressure emissions bystander (active, printing)	53 dB(A)
Acoustic pressure emissions bystander (ready)	14 dB(A)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Auto fax reduction supported	Yes
Automatic document feeder capacity	Standard, 50 sheets
Automatic paper sensor	No
Bit depth	24-bit
Cable included	1 USB
Cartons per layer	6
Certifications and compliances	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, UL, Chile, Argentina, Paraguay, Indonesia, Singapore, Philippines, etc.
Color or black	Black and white
Color scanning	Yes
Compatible Network Operating Systems	Windows Server; macOS 15 Sequoia; Linux
Connection type	Wireless
Control panel	2.7" CGD; Touch Screen; 3 LED buttons (Back, Home, Info)
Copier scaling (ADF)	25 to 400%
Copier settings	Number of Copies; Lighter/Darker; Enhancements; Binding Margin; Paper; Multi-Page Copy; Collation; Quality
Copies, maximum	Up to 999 copies
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black text)	Up to 300 dpi

Copy speed note	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 http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application and document complexity.
Count of layers in pallet	NA:5 ; EMEA/AP:4
Distinctive ring detection supported	Yes
Downloadable software	From hpsmart.com/setup: HP Easy Start (Windows); HP Easy Start Pro (Mac); From hp .com: Full-solution software and drivers(with installer) - offline use; HP Easy Start; Product Documentation and Support; HP Print and Scan Doctor; From Mobile OS: See "HP Mobile Printing" (http://http://www.hp.com/go/mobileprinting); From In-OS app stores: HP Smart; HP Print Service Plugin; From HP.com for printer administrators: Linux Print Drivers; HP Web JetAdmin Software (HP SNMP Proxy Agent); HP Smart Universal Print Driver.
Driver updates	Latest drivers available from support web site.
Duplex ADF scanning	No
Duty cycle note	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.
Electromagnetic compatibility	CISPR32:2012 & CISPR32:2015 /EN55032:2012 & EN55032:2015+AC:2016 - Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55035:2017; FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 6
End of Life CO2e (kg)	19.054
Energy Usage CO2e (kg)	31.93
Fax Auto Redial	Yes
Fax Broadcast Locations	0
Fax PC Interface Supported	Yes, Windows fax driver, HP PC Send Fax Driver 2.0
Fax Polling	No
Fax Remote Retrieval	No
Fax Speed Dials, Maximum Number	Up to 200 numbers
Fax Transmission Speed	33.6 kbps (maximum); 14.4 kbps (default)
Fax Transmission Speed Note	[3] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
Fax delayed sending	Yes
Fax forwarding	Yes
Fax memory	Up to 500 pages
Fax memory	Up to 500 pages
Fax phone TAM interface supported	No

Fax resolution black	Up to 203 x 196 dpi
Fax telephone mode supported	Yes
Fax transmission speed (letter)	3 sec per page[3]
First copy out black (A4)	As fast as 6.2 sec
First copy out black (A4, sleep)	As fast as 7.2 sec
First copy out black (letter)	As fast as 6.0 sec
First copy out black (letter, sleep)	As fast as 7.0 sec
First page out black (A4, ready)	As fast as 7.0 sec
First page out black (A4, sleep)	As fast as 8.7 sec
First page out black (letter, ready)	As fast as 6.6 sec
First page out black (letter, sleep)	As fast as 8.3 sec
First page out footnote	[6] 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.
Fonts and typefaces	84 scalable TrueType fonts
Input capacity	Up to 250 sheets
Internal Storage	no hard disk
Junk fax barrier	Yes, requires Caller ID
Levels of grayscale	256
Mac compatible	Yes
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum Memory	512 MB
Maximum dimensions (W x D x H)	426.8 x 758.8 x 475.5 mm
Maximum dimensions (W x D x H)	16.8 x 29.9 x 18.7 in
Maximum input capacity (sheets)	Up to 250 sheets
Maximum metric depth	758.5mm
Maximum metric height	475.5mm
Maximum metric width	426.8mm
Maximum output capacity (sheets)	Up to 150 sheets
Maximum print area	207 x 348 mm
Media size (ADF)	A4; LTR; LGL
Media size, tray 1	Letter; Legal; Executive; Oficio 8.5x13; Oficio(216x340); A4, A5, A5-R, A6, B5(JIS); B6(JIS); 16K(195 x 270 mm); 16K(195 x 270 mm); 16K(197 x 273 mm); L 9x13 cm; 10x15cm; 3x5; 4x6; 5x7; 5x8; Japanese Postcard; Double Japan Postcard Rotated; Japanese Envelope Chou #3; Japanese Envelope Chou #4; Envelope B5; Envelope C5; Envelope C6; Envelope DL; Envelope #10; Envelope Monarch

Media sizes supported	A4, A5, A5-R, A6, B5(JIS); B6(JIS); Oficio (216x340); 16K (195 x 270 mm); 16K (195 x 270 mm); 16K (197 x 273 mm); L 9x13 cm; 10x15cm; Japanese Postcard; Double Japan Postcard Rotated; Japanese Envelope Chou #3; Japanese Envelope Chou #4; Envelope B5; Envelope C5; Envelope C6; Envelope DL
Media sizes supported	Letter; Legal; Executive; Oficio 8.5x13; 3x5; 4x6; 5x7; 5x8; Envelope #10; Envelope Monarch
Media sizes supported, key	10 x 15 cm; A4; Envelopes
Media sizes supported, key	4 x 6 in; Letter; Legal; Envelopes
Media sizes, custom	Width 76 to 216 mm ; Length 127 to 356mm
Media sizes, custom	Width 3 x 8.5 in ; Length 5 to 14 in
Media type and capacity, ADF	50 sheet of 20 lb plain paper
Media type and capacity, tray 1	Sheets : up to 250; Envelopes : up to 10
Media types	Paper (Cut sheets, plain, glossy film, labels), envelopes, card stock, postcards
Media weight (tray 1)	60 to 163 g/m²
Media weight, supported	60 to 163 g/m²
Media weight, supported	16 to 43lb
Media weights, supported ADF	60 to 90 g/m²
Media weights, supported ADF	16 to 24 lb
Memory	512 MB
Metric depth	398.2mm
Metric height	313.2mm
Metric width	418.0mm
Minimum System Requirements	Microsoft® Windows® 11, 10, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer or Edge.
Minimum System Requirements for Macintosh	Apple® macOS v10.15 Catalina, macOS v11 Big Sur, macOS v12 Monterey; 2 GB HD; Internet required
Model number	3103fdw
Native scan file format	PDF, JPG
Number of users	3-10 Users
Operating humidity range	10 to 80% RH
Operating temperature range	15 to 32.5°C
Operating temperature range	59 to 90.5°F
Output capacity	Up to 150 sheets
Package dimensions (W x D x H)	497 x 379 x 490 mm
Package dimensions (W x D x H)	19.57 x 14.92 x 19.29 in
Package weight	13.6 kg
Package weight	30.0 lb

Page yield (set-up/inbox cartridges)	~1,000 black pages
Pallet dimensions	NA: 47.24 X 39.37 X 102.4 in; EMEA/AP: 47.24 X 39.37 X 83.11
Pallet dimensions (W x D x H)	NA: 1200 x 1000 x 2601mm; EMEA/AP: 1200 x 1000 x 2111mm
Pallet weight	NA: 428.5 kg; EMEA/AP: 346.9 kg
Pallet weight	NA: 944.7 lb; EMEA/AP: 764.8 lb
Paper handling input, standard	1 main tray; 250 sheets or 10 envelopes
Paper handling output, standard	150 sheets output tray
Paper trays, maximum	1 Main Tray
Paper trays, standard	1
Power	110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz
Print Cartridges/Bottle, Number	1 (black)
Print Technology	Laser
Print colors	No
Print languages	PCL5c; PCL6; PS; PCLmS; PDF; URF; PWG; PCLm
Print quality black (normal)	Up to 600 x 600 dpi
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print speed black (Landscape, A5)	Up to 53 ppm
Print speed black (Portrait, A5)	Up to 7 ppm
Print speed duplex (A4)	Up to 20 ipm
Print speed duplex (letter)	Up to 21 ipm
Print speed footnote (A5)	[4] 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.
Print speed footnote number (A5)	[4]
Print technology	Laser
Printer Management	HP Smart, HPSM, Web JetAdmin, admin.hpsmart.com
Processor speed	800 MHz
Product long name specifications	HP LaserJet Pro MFP 3103fdw 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; Fax
Product short name specifications	HP LaserJet Pro 3103fdw Wireless Multifunction Black and white Printer, Two-sided printing; Copier, Scanner
Production CO2e (kg)	107.358
Quantity per pallet	NA:30; EMEA/AP: 24
RMN number	SHNGC -2001-01

Recommended media weight (duplex)	60 to 105 g/m²
Recommended media weight (duplex)	16 to 28 lb
Recommended monthly page volume	350 to 2500 pages
Recommended monthly scan volume	150 to 1500
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C
Recommended operating temperature range	63.5 to 77°F
Replacement cartridges footnote	[2] 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
Resolution	Up to 600 dpi
Resolution (black and white, standard mode)	203 x 98 dpi
Resolution (black and white, superfine mode)	Up to 300 x 300 dpi
Resolution (black photo grayscale)	203 x 196 dpi
Safety	IEC 60950-1:2005 +A1:2009+A2:2013; IEC/EN 62368-1:2014; CAN/CSA C22.2 No. 62368-1, 3rd Edition; UL62368-1, 3rd Edition;IEC 60825-1 3rd Edition (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Compliance of IEC 60950-1 standard considers all country deviations according to the most recent IECEE CB Bulletin; Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed.3.,as described in Laser Notice No. 56, dated May 8, 2019
Scan resolution, hardware	Up to 300 x 300 dpi (color and mono, ADF); Up to 1200 x 1200 dpi (color and mono, flatbed)
Scan resolution, optical	Up to 300 dpi (color and mono, ADF); Up to 1200 dpi (color and mono, flatbed)
Scan size (ADF), maximum	216 x 356 mm
Scan size (ADF), maximum	8.5 x 14 in
Scan size (ADF), minimum	148 x 210 mm
Scan size (ADF), minimum	5.8 x 8.3 in
Scan size, maximum	216 x 297 mm
Scan size, maximum	8.5 x 11.7 in
Scan speed footnote	[8] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Security management	Password-protected network embedded Web server; enable/disable Network ports; SNMPv1 community password change; 802.1x authentication
Segment (filter)	Small medium business
Software scan file format	PDF, JPG, PNG, BMP, TIF, Text (.txt), Rich Text (.rtf), Searchable PDF (.pdf), PDF/A (.pdf)
Standard media sizes (duplex)	A4
Standard media sizes (duplex, imperial)	Letter; Legal; Oficio (8.5 x 13 in)
Standard output capacity (envelopes)	Up to 10
Storage device and direct print support	Wi-Fi Direct; USB Printing
Storage temperature range	-20 to 60ºC
Storage temperature range	-4 to 140ºF
Target user and print volume	For teams up to 7 users
Tariff numbers	8443310000
Telecom compliance (fax capability)	Wireless: EU RED 2014/53/EU; EN 301 489-1 V2.2.3 / draft EN 301 489-17: V3.2.0; EN 300 328: V2.1.1 / EN301 893 V2.1.1/ EN300 440-1 V2.1.1; FCC Title 47 CFR, Part 15 Subpart C & E / RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; IEC 62311:2007 / EN62311:2008 Fax Telecom: ES 203 021; 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.
Telephone handset supported	No
Top key features	Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Fax
Total CO2e (kg)	170.071 *(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)*
Transportation CO2e (kg)	11.729
Twain version	Version 2.1
Typical electricity consumption (TEC) footnote	[7] 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 115 V device.
Typical electricity consumption (TEC) number	Blue Angel: 0.402 kWh/week[7]
UNSPSC code	43212110
UPC number	195122492397
Warm-up time	As fast as 55 sec

What is in the box footnote	[1] 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.

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[2] 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 .

[3] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

[7] 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 115 V device.

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Black and White Laser Toner Printer Cartridges

HP 138A Black Original LaserJet Toner Cartridge	W1380A
HP 138X High Yield Black Original LaserJet Toner Cartridge	W1380X

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM 20 lb 11 x 17 in. (279 x 432 mm) 250 sheets	HPM1720P
HP MultiPurpose20TM 20 lb 8.5 x 11 in. (216 x 279 mm) 500 sheets	HPM1120R
HP MultiPurpose20TM 20 lb 8.5 x 14 in. (216 x 356 mm) 500 sheets	HPM1420P

Services

HP Care Pack Services

★ : Recommended

Imaging and Printing Consumer Care Pack Services

HP 2 year Next Business Day Advance Exchange HW support for Consumer LaserJet High printer	UQ223E
HP 2 year Onsite Exchange HW support for Consumer LaserJet High printer	U6M44E
HP 3 year Next Business Day Advance Exchange HW support for Consumer LaserJet High printer	UQ224E
HP 3 year Onsite Exchange HW support for Consumer LaserJet High printer	U6M45E
HP 4 year Next Business Day Advance Exchange HW support for Consumer LaserJet High printer	UQ225E
HP 4 year Onsite Exchange HW support for Consumer LaserJet High printer	U6M46E

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