HP LaserJet Pro MFP 3103fdw Printer ()

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 Resolution Black (best)	Up to 1200 x 1200 dpi
Print Speed Black (normal, A4)	Up to 33 ppm
Print Speed Black (normal, 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
Print Margin Bottom (A4)	4.23 mm
Print Margin Left (A4)	4.23 mm
Print Margin Right (A4)	4.23 mm
Print Margin Top (A4)	4.23 mm
AIO Functions	Print, copy, scan, fax
Duplex Print Options	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
Supplies Feature	HP JetIntelligence Cartridge
Connectivity, Std	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	No
Mobile Printing Capability	Apple AirPrint™; Mopria™ certified; HP app; Wi-Fi® Direct Printing
Supported Network Protocols	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
Blue Angel Compliance	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy Speed Black (normal 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
Fax	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
Scan Type	ADF, flatbed
Display Area (imperial)	2.7 in
Display Area (metric)	6.85 cm
Display Description	2.7" CGD; Touch Screen
Product Dimensions W x D x H (metric)	418.0 x 398.2 x 313.2 mm
Product Dimensions W x D x H (imperial)	16.5 x 15.7 x 12.3 in
Weight (metric)	10.5kg *(with Starter cartridge)*
Weight (imperial)	23.1lb *(with Starter cartridge)*
Power Consumption Description	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
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)
Auto Document Feeder Capacity	Standard, 50 sheets
Auto Fax Reduction Supported	Yes
Automatic Paper Sensor	No
Bit Depth	24-bit
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, Energy Star, UL, Chile, Argentina, Paraguay, Indonesia, Singapore, Philippines, etc.
Color Scanning	Yes
Color or Black (filter)	Black and white
Compatible Network Operating Systems	Windows Server; macOS 15 Sequoia; Linux
Control Panel	2.7" CGD; Touch Screen; 3 LED buttons (Back, Home, Info)
Copier Reduce/enlarge	25 to 400%
Copier Scaling (ADF)	25 to 400%
Copier Settings	Number of Copies; Lighter/Darker; Enhancements; Binding Margin; Paper; Multi-Page Copy; Collation; Quality
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 Emission Standard	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
Fax Auto-redialing	Yes
Fax Broadcasting, Max Locations	0
Fax Delayed Sending	Yes
Fax Forwarding Supported	Yes
Fax Memory (A4)	Up to 500 pages
Fax Memory (letter)	Up to 500 pages
Fax Phone TAM Interface Supported	No
Fax Polling Supported	No
Fax Resolution Black (standard)	203 x 98 dpi
Fax Resolution Black Photo Grayscale	203 x 196 dpi
Fax Resolution Black and White (fine)	Up to 203 x 196 dpi
Fax Resolution Black and White (superfine)	Up to 300 x 300 dpi
Fax Speed	33.6 kbps (maximum); 14.4 kbps (default)
Fax Speed (letter)	3 sec per page[3]
Fax Speed Dialing, Max Numbers	Up to 200 numbers
Fax Speed Footnote	[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 Telephone Mode Supported	Yes
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
Grayscale Levels	256
Hard Disk	no hard disk
Input Capacity, Max	Up to 250 sheets
Input Capacity, Max, Envelopes	Up to 10 envelopes
Input Capacity, Std	Up to 250 sheets
Junk Barrier Supported	Yes, requires Caller ID
Key Media Sizes Supported (imperial)	4 x 6 in; Letter; Legal; Envelopes
Key Media Sizes Supported (metric)	10 x 15 cm; A4; Envelopes
Mac Compatible	Yes
Max Dimensions W x D x H (imperial)	16.8 x 29.9 x 18.7 in
Max Dimensions W x D x H (metric)	426.8 x 758.8 x 475.5 mm
Max Number Of Copies	Up to 999 copies
Maximum Memory	512 MB
Maximum Metric Depth (filter)	758.5mm
Maximum Metric Height (filter)	475.5mm
Maximum Metric Width (filter)	426.8mm
Media Size, ADF	A4; LTR; LGL
Media Size, Tray 1 (metric)	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 Custom (imperial)	Width 3 x 8.5 in ; Length 5 to 14 in
Media Sizes Custom (metric)	Width 76 to 216 mm ; Length 127 to 356mm
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 Weights Supported, ADF (imperial)	16 to 24 lb
Media Weights Supported, ADF (metric)	60 to 90 g/m²
Media Weights Supported, By Paper Path (Imperial)	16 to 43lb
Media Weights Supported, By Paper Path (metric)	60 to 163 g/m²
Media Weights Supported, Tray 1 (metric)	60 to 163 g/m²
Metric Depth (filter)	398.2mm
Metric Height (filter)	313.2mm
Metric Width (filter)	418.0mm
Native Scan File Format	PDF, JPG
Number of Simultaneous Users (local + network)	3-10 Users
Operating Humidity Range	10 to 80% RH
Operating Humidity Range (recommended)	30 to 70% RH
Operating Temperature Range (celsius)	15 to 32.5°C
Operating Temperature Range (fahrenheit)	59 to 90.5°F
Operating Temperature Range (recommended celsius)	17.5 to 25°C
Operating Temperature Range (recommended fahrenheit)	63.5 to 77°F
Output Capacity, Max	Up to 150 sheets
Output Capacity, Std	Up to 150 sheets
Output Capacity, Std, Envelopes	Up to 10
PC Interface Supported	Yes, Windows fax driver, HP PC Send Fax Driver 2.0
Package Dimensions W x D x H (imperial)	19.57 x 14.92 x 19.29 in
Package Dimensions W x D x H (metric)	497 x 379 x 490 mm
Package Weight (imperial)	30.0 lb
Package Weight (metric)	13.6 kg
Pallet Dimensions (imperial)	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 (metric)	NA: 1200 x 1000 x 2601mm; EMEA/AP: 1200 x 1000 x 2111mm
Pallet Weight (imperial)	NA: 944.7 lb; EMEA/AP: 764.8 lb
Pallet Weight (metric)	NA: 428.5 kg; EMEA/AP: 346.9 kg
Paper Handling Standard/input	1 main tray; 250 sheets or 10 envelopes
Paper Handling Standard/output	150 sheets output tray
Paper Trays, Maximum	1 Main Tray
Paper Trays, Standard	1
Power Supply Required	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 Colors	No
Print Languages, Standard	PCL5c; PCL6; PS; PCLmS; PDF; URF; PWG; PCLm
Print Resolution Black (Fine Lines)	Up to 1200 x 1200 dpi
Print Resolution Black (normal)	Up to 600 x 600 dpi
Print Speed Black (Landscape, A5)	Up to 53 ppm
Print Speed Black (Portrait, A5)	Up to 7 ppm
Print Speed Black Duplex (A4)	Up to 20 ipm
Print Speed Black 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
Printable Area Maximum (metric)	207 x 348 mm
Printer Management	HP Smart, HPSM, Web JetAdmin, admin.hpsmart.com
Processor Speed	800 MHz
Quantity Per Pallet	NA:30; EMEA/AP: 24
RMN Number	SHNGC-2001-00 or SHNGC-2001-01
Recommended Media Weight (duplex, imperial)	16 to 28 lb
Recommended Media Weight (duplex, metric)	60 to 105 g/m²
Recommended Monthly Page Volume	350 to 2500 pages
Recommended Monthly Scan Volume	150 to 1500

Remote Retrieval Capability Supported	No
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
Safety Approvals and Requirements	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 Maximum (ADF, Imperial)	8.5 x 14 in
Scan Size Maximum (ADF,metric)	216 x 356 mm
Scan Size Maximum (flatbed, imperial)	8.5 x 11.7 in
Scan Size Maximum (flatbed, metric)	216 x 297 mm
Scan Size Minimum (ADF, imperial)	5.8 x 8.3 in
Scan Size Minimum (ADF, metric)	148 x 210 mm
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
Segment (filter)	Small medium business
Sensor Resolution	Up to 600 dpi
Software Scan File Format	PDF, JPG, PNG, BMP, TIF, Text (.txt), Rich Text (.rtf), Searchable PDF (.pdf), PDF/A (.pdf)
Standard Media Sizes (duplex, Imperial)	Letter; Legal; Oficio (8.5 x 13 in)
Standard Media Sizes (duplex, metric)	A4
Standard Media Sizes Supported (imperial)	Letter; Legal; Executive; Oficio 8.5x13; 3x5; 4x6; 5x7; 5x8; Envelope #10; Envelope Monarch
Standard Media Sizes Supported (metric)	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
Standard Memory	512 MB

Storage Device and Direct Print Support	Wi-Fi Direct; USB Printing
Storage Temperature Range (celsius)	-20 to 60ºC
Storage Temperature Range (fahrenheit)	-4 to 140ºF
System Requirements, Macintosh, Minimum	Apple® macOS v10.15 Catalina, macOS v11 Big Sur, macOS v12 Monterey; 2 GB HD; Internet required
System Requirements, Minimum	Microsoft® Windows® 11, 10, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer or Edge.
Target Number of Users and Print Volume	For teams up to 7 users
Tariff Numbers	8443310000
Technology	Laser
Telephone Handset Supported	No
Top Key Features	Wireless; Print from phone or tablet; Two-sided printing; Fax
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	Energy Star: 0.35 kWh/week, Blue Angel: 0.402 kWh/week[7]
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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[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.

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