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HP LaserJet Pro MFP 4102fdn Printer (2Z623F)

Functions

Print, copy, scan, fax

Print speed black (ISO, letter)

Up to 42 ppm^[1]

Print speed black (ISO, A4)

Up to 40 ppm^[1]

First page out black (letter, ready)

As fast as 6.1 sec^[2]

(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.)

First page out black (A4, ready)

As fast as 6.3 sec^[2]

(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.)

First page out color (letter, ready)

^[2]

(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.)

First page out color (A4, ready)

^[2]

(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.)

Duplex printing

Automatic (default)

Duty cycle (monthly, letter)

Up to 80,000 pagesUp to 80,000 pages

(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.)

Duty cycle (monthly, A4)

Up to 80,000 pages

(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.)

Recommended monthly page volume

750 to 4,000

(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.)

Print quality black (best)

Fine Lines (1200 x 1200 dpi)

Print languages

HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster

Print technology

Laser

Connectivity, standard

1 Front USB port; 1 Gigabit Ethernet 10/100/1000 Base-T network; 1 Hi-Speed USB 2.0 (host); 1 Hi-Speed USB 2.0 (port); 1 RJ-11 Fax/Modem port/phone line; 802.3az (EEE)

Mobile printing capability

Apple AirPrint™; Mopria™ Certified

Network capabilities

Yes, via built-in 10/100Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X

Minimum System Requirements for Macintosh

2 GB available hard drive space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see apple.com;

Minimum System Requirements

2 GB available hard disk space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see microsoft.com;

Display

2.7" (6.86 cm) intuitive color touchscreen (CGD)

Processor speed

1200 MHz

Maximum Memory

512 MB

Memory

512 MB

Internal Storage

No

Storage

Optional Job Storage via external rear host USB port (minimum 16 GB)

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; macOS 15 Sequoia; Chrome OS

Paper handling input, standard

100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF)

Paper handling output, standard

150-sheet output bin

Paper handling input, optional

Optional third 550-sheet tray

Finished output handling

Sheetfeed

Media types

Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels;

Media sizes supported

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)

Media sizes, custom

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

Scanner type

Flatbed, ADF

Scan file format

PDF, JPG, TIFF

Enhanced scanning resolution

Up to 1200 x 1200 dpi

Scan resolution, optical

Up to 1200 x 1200 dpi

Scan resolution, hardware

Flatbed (Up to 1200 x 1200 dpi); ADF (Up to 300 x 300 dpi)

Scan size (ADF), maximum

216 x 356 mm

Scan size (ADF), minimum

102 x 152 mm

Scan size, maximum

216 x 297 mm

Scan speed (normal, A4)

Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color) ^[3]

Scan speed duplex (normal, A4)

Up to 46 ipm (b&w), up to 34 ipm (color) ^[3]

Scan speed duplex (normal, letter)

Up to 49 ipm (b&w), up to 36 ipm (color) ^[3]

Scan speed (normal, letter)

Up to 31 ppm/49 ipm (b&w), up to 21 ppm/36 ipm (color) ^[3]

Automatic document feeder capacity

Standard, 50 sheets

Duplex ADF scanning

Yes

Scan technology

Contact Image Sensor (CIS)

Copy Speed Black (maximum, A4)

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.

Copy speed (black, normal quality, A4)

Up to 38 cpm

Copy resolution (black text)

Up to 600 x 600 dpi

Copy resolution (color text and graphics)

Up to 600 x 600 dpi

Copies, maximum

Up to 9999 copies

Copy reduce / enlarge settings

25 to 400%

Copier settings

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

Faxing

Yes

Fax transmission speed (letter)

6 sec per page

Fax Transmission Speed

33.6 kbps (maximum); 14.4 kbps (default)

(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 Resolution Black (best)

Up to 300 x 300 dpi

Fax Broadcast Locations

0

Fax memory

Up to 400 pages

Fax Speed Dials, Maximum Number

Up to 200 numbers

Power consumption

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)

(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

220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)

Operating humidity range

10 to 80% RH (non-condensing)

Recommended operating humidity range

30 to 70% RH

Operating temperature range

10 to 32.5°C

Operating temperature range

50 to 90.5°F

Blue Angel compliant

Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies ^[4]

(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.)

Typical electricity consumption (TEC) number

0.40 kWh/Week (Blue Angel) ^[5]

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

Energy savings feature technology

HP Auto-On/Auto-Off Technology; Instant-on Technology; EcoSmart black toner

Ecolabels

IT ECO Declaration; Blue Angel

(^[5] EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.)

Energy star certified

No

Safety

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

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

Security

HP Security Manager; Optional Smart Security; HP Secure Print and Insights

Dimensions (W x D x H)

420 x 390 x 323 mm (without trays and covers not extended)

Maximum dimensions (W x D x H)

430 x 634 x 325 mm (without trays and covers not extended)

Weight

12.6 kg

What's in the box

HP LaserJet Pro MFP 4102fdn Printer; Preinstalled HP Black Original LaserJet Toner Cartridge (2,900 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord ^[6]

Print Cartridges/Bottle, Number

1 (black)

Replacement cartridges

HP 149A Black Original LaserJet Toner Cartridge (~2,900 pages), W1490A; HP 149X Black Original LaserJet Toner Cartridge (~9,500 pages), W1490X

(^[3] 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>)

Manufacturer Warranty

One-year, onsite repair. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to <https://hp.com/support> to learn about HP award winning service and support options in your region.

Footnotes and disclaimers



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