Data sheet

HP LaserJet Pro MFP 4102fdn 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

Highlights

- HP Wolf Pro security
- Automatic two-sided printing standard
- Fast print speed (40 ppm A4)
- High monthly duty cycle (80,000 pages)
- 50 sheet ADF with single-pass, two-sided scanning

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.[1]
- 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. [2]

Seamless management

- Centralise your print management. HP Web Jetadmin makes it easy with its suite of features.[3]
- Set up your printers quickly. Streamlined setup makes it easy to set up and get back to business.
- Help protect your printer. Self-heal Wi-Fi detects anomalies and reboots automatically to prior safe state.

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.[4]

Sustainable printing

- Save up to 20% energy. EcoSmart toner with JetIntelligence balances premium quality with sustainability. [5]
- Start saving paper right out of the box. The default duplex setting prints on both sides to cut usage in half.
- Meet the industry standard for efficiency with Energy Start rating. [5]
- Reduce your footprint. HP Auto-On/Auto-Off technology optimizes printer energy usage. [6]

Product walkaround

1. Designed for workteams of up to 10 users
2. Pre-configured security settings
3. Walk-up USB
4. Automatic 2-sided printing
5. Hi-speed USB ports, built-in Gigabit Ethernet
6. Print speeds up to 40 ppm (A4), 350-sheet standard paper capacity



Accessories, Supplies and Support

Supplies	**W1020XC** HP W1020XC High Yield Black Contract Original LaserJet Toner Cartridge (Average cartridge yields 10,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1030XC HP Black Contract LaserJet Toner Cartridge (Average cartridge yields 10,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1490A HP 149A Black Original LaserJet Toner Cartridge (Average cartridge yields 2,900 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1490X HP 149X High Yield Black Original LaserJet Toner Cartridge (Average cartridge yields 9,500 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
Accessories	
Service and Support	**U42TZE** - HP 3 year Next Business Day Service for LaserJet Pro MFP 410x **U42U8PE** - HP 1 year Post Warranty Next Business Day Service for LaserJet Pro MFP 410x

Technical specifications

Model	**HP LaserJet Pro MFP 4102fdn Printer**
Product number	2Z623F
Functions	Print, copy, scan, fax
Control panel	2.7" Color Touchscreen
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal)**: Up to 40 ppm ; **Black (A4, duplex)**: Up to 34 ipm
First page out[2]	**Black (A4, ready)**: As fast as 6.3 sec ; **Black (A4, sleep)**: As fast as 8.8 sec
Print resolution	**Black (best)**: Fine Lines (1200 x 1200 dpi) ; **Technology**: HP FastRes 1200, HP ProRes1200, Economode
Monthly duty cycle	Up to 80,000 pages A4; **Recommended monthly page volume**: 750 to 4,000
Printer smart software features[3]	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	**Print margins** 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)
Copy	
Copy speed	**Black (A4)**: Up to 38 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; **Maximum number of copies**: Up to 9999 copies; **Reduce/Enlarge**: 25 to 400%
Scan	
Scan speed[4]	**Normal (A4)**: Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color) ;**Duplex (A4)**: Up to 46 ipm (b&w), up to 34 ipm (color)
Scan file format	PDF, JPG, TIFF
Scanner specifications	**Scanner type** Flatbed, ADF; **Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA; **Twain version**: Version 2.3; **Duplex ADF scanning**: Yes; **Optical scan resolution**: 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	**Maximum media size (flatbed)**: 216 x 297 mm ;**Minimum media size (ADF)**: 102 x 152 mm **Maximum media size (ADF)**: 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Fax	
Fax	Yes, 33.6 kbps
Fax specifications	**Fax memory**: Up to 400 pages; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; **Quick dialing**: 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
Connectivity	
Standard	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)
Mobile printing capability	Apple AirPrint™; Mopria™ Certified
Supported network protocols	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
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
Media handling	
Number of paper trays	**Standard**: 2 ;**Maximum**: 3
Media types	Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels;
Media size	**Custom (metric)**: 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 **Supported (metric)**: 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) **ADF**: Letter, Legal, A4, custom sizes 102 x 152 to 216 x 356 mm
Media handling	**Standard input:** 100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF) **Standard output:** 150-sheet output bin **Optional input:** 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	**Tray 1:** Sheets: 100; Envelopes: 10 **Tray 2:** Sheets: 250 **Tray 3:** Sheets: 550 (optional) **Maximum:** Up to 900 sheets (with Optional 550-sheet tray) **ADF:** Standard, 50 sheets
Output capacity	**Standard:** Up to 150 sheets Envelopes: Up to 10 envelopes **Maximum:** 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	**Windows**: 2 GB available hard disk space; Internet connection or USB port; Internet browser. For additional OS hardware requirements see microsoft.com; **Mac**: 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 http://www.hp.com and http://123.hp.com
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 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)
Dimensions and weight	
Printer dimensions (W x D x H)	**Minimum** 420 x 390 x 323 mm; **Maximum**: 430 x 634 x 325 mm
Printer weight	12.6 kg
Operating environment	**Temperature**: 10 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 40°C
Acoustics	**Acoustic power emissions**: 6.7 B(A) **Acoustic pressure emissions**: 54 dB(A)
Power	**Requirements**: 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); **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); **Typical Electricity Consumption (TEC)**[5]: 0.40 kWh/Week (Blue Angel); **Power supply type**: Internal (Built-in) power supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; EcoSmart black toner
Certifications	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. **Electromagnetic emission standard**: 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 IT ECO Declaration **Blue Angel compliant**[6] Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies **Telecom compliance**: ETSI EN 301 489-1 V2.2.3; ETSI EN 301 489-17 V3.2.4
Sustainable impact specifications	Recyclable through HP Planet Partners; Compatible with Accessibility Accessories; Contains post-consumer recycled plastic
Country of origin	Made in China
What's in the box[7]	2Z623F 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
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 to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)

Footnotes

[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 the HP Smart app download. For details on local printing requirements see 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. Internet access required and must be purchased separately. HP account required for full functionality. List of supported operating systems available in app stores. Fax capabilities are for sending a fax only. After 3 months, a monthly fee applies to continue advanced features with HP Smart Pro. For more information, see http://www.hpsmart.com.
[3] HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.
[4] HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager.
[5] HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See hp.com/ecosmart
[6] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.
[7] Recycling: Through the HP Planet Partners program (where available), recycled plastics are used as raw material and combined with other materials to help make new Original HP cartridges and other everyday products. For details, see http://www.hp.com/recycle.

Technical specifications disclaimers

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[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.
[3] Job Storage feature requires a purchase of separate USB flash drive with a minimum of 16 GB capacity.
[4] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[5] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
[6] 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.
[7] 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.

www.blauer-engel.de/uz219

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