HP LaserJet Pro MFP 4102fdn Printer



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

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



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

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- 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.
- 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.
- 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 Laser Jet 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 Laser Jet Toner Cartridge (Average cartridge yields 9,500 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
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

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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/PIP wal, Pro6; print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Apple AirPrint**, Monpria*. IPP Print; Discovery; SLR, Bonjour, Web Services Discovery; IPC onfig: IPv4 (BootP, DHCP, AutolP, Manual), IPv6 and via Router; Statefull via DHCPv6), SSL Security and Certificate management; SNMPv2,	v log: HP Digital Fax
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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, AutolP, Manual), IPv6 and via Route; Statefull via DHCPv6), SSL Security and Certificate management; Management; SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download	
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, AutolP, Manual), IPv6 and via Route; Statefull via DHCPv6), SSL Security and Certificate management; Management; SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download	
Supported network protocols and via Router, Statefull via DHCPvG), SSL Security and Certificate management; SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download	
	Stateless Link-Local
Network capabilities Yes, via built-in 10/100Base-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;	
Custom (metric): Tray 1: 7:62 x 127 to 21:5.9 x 355.6 mm; Tray 2, 3: 10:4.9 x 149.5 to 21:5.9 x 355.6 mm; Supported (metric): Tray 1: A4; A5; A6; B5 (UIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (194 x 260 mm); mm); Japanese Postard; Double Japane Postard; Envelope BC; Steneberge C5; Envelope BC; Steneberge C5; Envelope BC; Steneberge C5; Bartis BC; AF; A5; A5; B5 (UIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (194 x 260 mm); 16K (194 x 270 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 S50-sheet tray 3: 60 to 120 g/m²	
Input capacity Tray 1: Sheets: 100: Eveloples: 10 Tray 2: Sheets: 250 Totay 3: Sheets: 550 (optional) Maximum: Up to 900 sheets (with Optional 550-sheet tray) ADP; 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 (Lient OS; Android; IOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; macOS 15 Sequoia; Chrome OS	
Compatible reveals gesters who we reveal the second	
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 wind 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, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, RADIUS servers) WPA2 WPA3, WEP encryption (64 and 128 bi	
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	
Jacage contactors emperature = 2010 40 C =	
Acoustics Acoustic power emissions: 5.7 B(A) Acoustic pressure emissions: 5.4 dB(A) Requirements: 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz);	
Acoustics Acoustic power emissions: 6.7 B(A) Acoustic pressure emissions: 54 dB(A)	
Acoustic Acoustic power emissions: 5.7 B(A) Acoustic pressure emissions: 54 dB(A) Requirements: 220-volt input voltage: 220 to 240 VAC (+/- 10%), S0/60 Hz (+/- 2 Hz); Power Consumption: 510 volts (active printing), 7.5 watts (ready, 0.9 watts (Jacto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption (TEC): 0.40 VAN/Week (Blue Angel); Swatts (Auto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off);	
Acoustics Acoustic power emissions: 5.7 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 (aleep), 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 (TEO): -0.40 W/M/Week (Blue Angel); Power supply type: Internal (Bult-In) power supply Energy savings feature technology HP Auto-On/Auto-Off Technology; Instant-on Technology; EcoSmart black toner RCM (Australia), TUV and GS Mark (Germany), BSM (Taiwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, CL Indonesia, Singapore, Philippines, etc. Certifications Electromagnetic emission standard (CSPR 32.2015 Class B / EN 55032.2015 Class B; CISPR 35.2016 / EN 55035.2017 Class B; EN IEC 61000-3-2:2013 + A1:2013; EN 61000-4-12:2016; FCC CFR 42 (IES-Sou3), Suev 7 Class B B	
Acoustics Acoustic power emissions 5.7 B(A) Acoustic pressure emissions 5.4 B(A) Power Requirements: 220-vol: input voltage: 220 to 240 VVC (r-1 Vib), 50(6) Hz (r-1 2 Hz); Consumption 510 wetrs (active printing), 7.5 wetrs (seap), 0.9 wetrs (Auto Dff/Wake on LAN, enabled at shipment), 0.06 watrs (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption (TCP): 0.40 kWn/Veck (Blue Angel; Power supply type: Internal (Built-in) power supply Energy savings feature technology HP Auto-On/Auto-Off Technology; Escotam Technology; Eccosmart black toner RCM (Australia), TUU and GS Mark (Germany), BSM (Talwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, CL Indonesia, Singapore, Philippines, etc. Electromagnetic emission standard: CISPR 32:2015 Class B / EN 55032:2015 Class B; (SEPR 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 CER 43 IT ECO Declaration: Blue Angel Blue Angel compliant ⁴ Server. Blue Angel DE-U2 219—only ensured when using Original HP supplies	
Acoustics Acoustic power emissions: 5.7 B(A) Acoustic pressure emissions: 5.4 B(A) Power Requirements: 220-vol: input voltage: 220 to 240 VVC (-1 VIR); Consumption 510 vots: folder pointing): 7.5 vots: folder pointing): 7.5 vots: folder pointing): 7.5 vots: folder pointing: 7.5 vots: folder pointing: 7.5 vots: folder pointing): 7.5 vots: folder pointing: 7.5	
Acoustics Acoustic power emissions 5.7 B(A) Acoustic pressure emissions 5.4 B(A) Power Requirements: 220-vol: input voltage: 220 to 240 VVC (r-1 Vib), 50(6) Hz (r-1 2 Hz); Consumption 510 wetrs (active printing), 7.5 wetrs (seap), 0.9 wetrs (Auto Dff/Wake on LAN, enabled at shipment), 0.06 watrs (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption (TCP): 0.40 kWn/Veck (Blue Angel; Power supply type: Internal (Built-in) power supply Energy savings feature technology HP Auto-On/Auto-Off Technology; Escotam Technology; Eccosmart black toner RCM (Australia), TUU and GS Mark (Germany), BSM (Talwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, CL Indonesia, Singapore, Philippines, etc. Electromagnetic emission standard: CISPR 32:2015 Class B / EN 55032:2015 Class B; (SEPR 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 CER 43 IT ECO Declaration: Blue Angel Blue Angel compliant ⁴ Server. Blue Angel DE-U2 219—only ensured when using Original HP supplies	
Acoustics Acoustic power emissions 5.7 B(A) Acoustic pressure emissions 5.4 B(A) Power Requirements: 220 voli input voltage: 220 to 240 VVC (r-1 VDR), 50(6) Hz (r-1 VDR), 50	
Acoustics Acoustic power emissions: 5.7 B(A) Acoustic pressure emissions: 5.4 B(A) Requirements: 220-volt input voltage: 220 to 240 VAC (*/- 10k), 50/60 Hz (*/- 2 Hz); Consumption: 510 watts (active printing), 7.5 watts (ready), 0.9 watts (alue 0 off/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption: F50-00 with (Blue Angel); Power supply Ope: Internal (Bult-In) power supply Power supply Ope: Internal (Bult-In) power supply Ope: Internal Power Sup	Part 15 Class B;
Acoustics Acoustic power emissions: 6.7 B(A) Acoustic pressure emissions: 5.4 B(A) Requirements: 220 volt input voltage; 220 to 240 VVC (r 1- VDR), 50/60 Hz (r - 2 Hz); Consumption 510 votts (active printing), 7.5 votts (read), 0.0 votts (active 0 ff/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption (TDC): 0.40 WM/Week (Blue Angel); Power supply type: Internal (Built-in) power supply Energy savings feature technology HP Auto-On/Auto-Off Echronology; Istant-on Technology; EcoSmart black toner Recurrence RCM (Australia), TUV and GS Mark (Germany), BSM (Taiwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, CD Indonesia, Singapore, Philippine, etc. Electromagnetic emission standard: CDP 32:2015 Class B / EN 55032-2015 Class B (CSPR 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 ICC 000, Issuer Philippine, etc. Electromagnetic emission standard: CDP 32:2015 Class B / EN 55032-2015 Class B / EN 55032-2017 Class B; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 61000-4-12:2016; FCC CFR 47 ICC 000, Issuer Philippine, etc. Electromagnetic emission standard: CDP 32:2015 Class B / EN 55032-2015 Class B / EN 55032-2017 Class B; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 61000-4-12:2016; FCC CFR 47 ICC 000, Issuer Philippine, etc. Electromagnetic emission standard: CDP 32:2015 Philippine, etc. Electromagnetic emission standard: CDP 32:201	Part 15 Class B;

Footnotes

¹ Neasured 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 Laser Jet 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.

⁷ Recycling: Program availability varies. Original HP cartridge return and recycling is currently available in more than 60 countries, territories and regions in Asia, Africa, Europe, and North and South America through the HP Planet Partners program. For details, see hp.com/recvcle.

⁸ Internet access required and must be purchased separately. Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Supports both 5.0 GHz and 2.4 GHz using up to 12 non-overlapping channels vs. only 3 non-overlapping channels for 2.4 GHz only. Supports 5.0 GHz band (up to 150 mbps) v. 2.4 GHz band (up to 72.2 mbps). Learn more at: www.hp.com/go/mobileprinting

Technical specifications disclaimers

¹ Neasured using ISO/IEC 24734, 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. 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.

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.

⁸ 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.

⁹ EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.





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