Data sheet

HP LaserJet Pro MFP 3102fdn Printer

Get fast printing speeds, high-volume scanning, and easy management tools 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: www.hp.com/learn/ds

Highlights

- Fast print speed (33 ppm A4)
- High monthly duty cycle (50,000 pages)
- Automatic two-sided printing standard
- HP Smart app
- HP Wolf Pro security
- 250 sheet standard paper input cassette

Powerful productivity

- Support your small workteams with this laser printer, designed for up to 7 users.
- Print more efficiently. You can save time, paper, and costs with duplex speeds at 35 ppm. [1]
- Get productivity in the palm of your hand. Print, scan, 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.[4]

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 JetAdvantage Security Manager.[5]

Sustainable printing

- Save up to 20% energy. EcoSmart toner with JetIntelligence balances premium quality with sustainability.[6]
- 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 Star rating.[6]
- Reduce your footprint. HP Auto-On/Auto-Off technology optimizes printer energy usage.[7]

Product walkaround

HP LaserJet Pro MFP 3102fdn Printer shown

1. Fast printing, up to 33 ppm, 250-sheet standard paper capacity
2. Built for the small workteams of up to 7 users
3. Pre-configured security settings
4. Automatic 2-sided printing
5. High-speed USB ports, built-in fast Ethernet
6. Cassette type input tray



Accessories, Supplies and Support

Supplies	**W1390A** HP 139A Black Original LaserJet Toner Cartridge (Average cartridge yields 1,500 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
	W1390X HP 139X High Yield Black Original LaserJet Toner Cartridge (Average cartridge yields 4,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
Service and Support	**UG207E** 3 years Advanced Exchange (All EMEA countries Except Adriatic, Africa, CIS, EEM, Israel, Middle East, Russia, South Africa, Turkey) **UG087E** 3 years Next Business Day Exchange (available in Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, UK) UG290E 3 years Return to Depot (available in Adriatic, Africa, CIS, EEM, Israel, Middle East, Russia, South Africa, Turkey)

Technical specifications

Model	HP LaserJet Pro MFP 3102fdn Printer
Product number	3G629F
Functions	Print, copy, scan, fax
Control panel	2.7" CGD; Touch Screen; 3 LED buttons (Back, Home, Info)
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal)**: Up to 33 ppm ; **Black (A4, duplex)**: Up to 20 ipm
First page out[2]	**Black (A4, ready)**: As fast as 7.0 sec ; **Black (A4, sleep)**: As fast as 8.7 sec
Print resolution	**Black (best)**: Up to 1200 x 1200 dpi ; **Technology**: 600dpi with Resolution Enhancement technology (REt); ProRes 1200
Monthly duty cycle	Up to 50,000 pages A4; **Recommended monthly page volume**: 350 to 2500 pages
Printer smart software features	Automatic duplex, Easy OOBE, Scan Destinations, Smart security, Print always work, Print anywhere
Standard print languages	PCL5c; PCL6; PS; PCLmS; PDF; URF; PWG; PCLm
Fonts and typefaces	84 scalable TrueType fonts
Print area	**Print margins** Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm; Maximum print area : 207 x 348 mm
Duplex printing	Automatic (standard)
Copy	
Copy speed	**Black (A4)**: Up to 33 cpm
Copier specifications	Number of Copies; Lighter/Darker; Enhancements; Binding Margin; Paper; Multi-Page Copy; Collation; Quality; **Maximum number of copies**: Up to 999 copies; **Reduce/Enlarge**: 25 to 400%
Scan	
Scan speed[3]	**Normal (A4)**: Up to 19 ppm (b&w), up to 8 ppm (color)
Scan file format	JPG, TIFF, XPS, PDF, PDF/A
Scanner specifications	**Scanner type** ADF, flatbed; **Scan technology**: CIS; **Scan input modes**: HP Smart App; and user applications via Twain; **Twain version**: Version 2.1; **Duplex ADF scanning**: No; **Optical scan resolution**: Up to 300 dpi (color and mono, ADF); Up to 1200 dpi (color and mono, flatbed)
Recommended monthly scan volume	150 to 1500
Scannable area	**Maximum media size (flatbed)**: 216 x 297 mm ;**Minimum media size (ADF)**: 148 x 210 mm **Maximum media size (ADF)**: 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Fax	
Fax[4]	Yes
Fax specifications	**Fax memory**: Up to 500 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
Processor speed	800 MHz
Connectivity	
Standard	Hi-Speed USB device (compatible with USB 2.0 specifications); 10/100Mbps Ethernet.
Mobile printing capability	HP Smart App; Apple AirPrint™; Mopria™ Certified
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
Network capabilities	10/100Mbps Ethernet.
Hard disk	no hard disk
Memory	**Standard**: 512 MB ; **Maximum**: 512 MB
Media handling	
Number of paper trays	**Standard**: 1 ;**Maximum**: 1 Main Tray
Media types	Paper (Cut sheets, plain, glossy film, labels), envelopes, card stock, postcards
Media size	**Custom (metric)**: Width 76 to 216 mm ; Length 127 to 356mm **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 **ADF**: A4; LTR; LGL
Media handling	**Standard input:** 1 main tray; 250 sheets or 10 envelopes **Standard output:** 150 sheets output tray
Media weight	60 to 163 g/m²
Input capacity	**Tray 1:** Sheets : up to 250; Envelopes : up to 10 **Maximum:** Up to 250 sheets **ADF:** Standard, 50 sheets
Output capacity	**Standard:** Up to 150 sheets Envelopes: Up to 10 **Maximum:** Up to 150 sheets
Compatible operating systems	Windows 11; Windows 10; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 15 Sequoia; Linux
Compatible network operating systems	Windows Server; macOS 15 Sequoia; Linux
Minimum system requirements	**Windows**: Microsoft® Windows® 11, 10, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer or Edge. **Mac**: Apple® macOS v10.15 Catalina, macOS v11 Big Sur, macOS v12 Monterey; 2 GB HD; Internet required
Software included	No CD in box; Downloadable Software from http://www.hp.com, http://www.hpsmart.com/setup, in-OS app stores.
Security management	Password-protected network embedded Web server; enable/disable Network ports; SNMPv1 community password change; 802.1x authentication
Printer management	HP Smart, HPSM, Web JetAdmin, admin.hpsmart.com
Dimensions and weight	
Printer dimensions (W x D x H)	**Minimum** 418.0 x 398.2 x 313.2 mm; **Maximum**: 426.8 x 758.8 x 475.5 mm
Printer weight	10.5kg
Operating environment	**Temperature**: 15 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 60°C
Acoustics	**Acoustic power emissions**: 6.6 B(A) (printing at 33ppm) **Acoustic pressure emissions**: 53 dB(A)
Power	**Requirements**: 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz; **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); **Typical Electricity Consumption (TEC)**[5]: Blue Angel: 0.402 kWh/week; **Power supply type**: Internal (Built-in) power supply
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, Chile, Argentina, Paraguay, Indonesia, Singapore, Philippines, etc. **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 **Blue Angel compliant** Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies **Telecom compliance**: 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.
Sustainable impact specifications	Mercury free
Country of origin	Made in Vietnam
What's in the box[5]	3G629F HP LaserJet Pro MFP 3102fdn Printer; HP Black LaserJet Toner Introductory Cartridge (yield ~1000 pages); Setup Guide; Reference Guide; Regulatory Flyer; Warranty Guide; Power cord ~1,000 black pages
Warranty	One-year limited warranty; Warranty and support options vary by product, country, and local legal requirements

Footnotes

[1] 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; subscription may not be available in all countries. See details at http://www.hpsmart.com. 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. For more information, see http://www.hpsmart.com.
[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.
[3] HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.
[4] 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
[5] HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager.
[6] HP calculations based on ENERGY STAR® normalized TEC data comparing HP LaserJet 200-500 series printers at launch. See hp.com/ecosmart.
[7] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.
[8] 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.
[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] Measured 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.
[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[4] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
[5] 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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