



# HP LaserJet Pro MFP M148fdw

Produce the consistent, professional two-sided documents you expect from HP with 1000 pages of toner right out of the box. Easily print from your mobile device, and help save time and energy with this efficient HP LaserJet Pro MFP.<sup>2,1</sup>



**Print speed:** Letter: Up to 30 ppm; First Page Out: As fast as 6.6 sec; Duplex letter: Up to 18 ipm

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi

**Copy Resolution:** Up to 600 x 600 dpi

**Fax resolution:** Black (best): Up to 300 x 300 dpi

**Standard Connectivity:** 1 Hi-Speed USB 2.0; 1 Ethernet 10/100Base-TX; 1 phone line (in); 1 phone line (out)

**Standard Memory:** 256 MB

**Mobile Printing Capability:** HP Smart App; HP ePrint; Wi-Fi Direct® printing; Apple AirPrint®; Google Cloud Print™

**Paper Handling:** 250 sheet input tray; 10 sheet priority tray; 150 sheet output tray

**Display:** 2.7-in touch screen, LCD (color graphics)

## Uncompromising quality, unmatched in-box value

- Get up to 1000 pages right out of the box, and start printing fast.
- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Get affordable running costs and help add value with an imaging drum designed to last up to 23,000 pages.<sup>3</sup>
- Get professional-quality pages and the performance you expect with Original HP toner cartridges.

## Help save time and energy

- Speed through multipage documents with automatic two-sided printing.
- Wait less with an HP LaserJet Pro MFP that prints up to 28 pages per minute.<sup>4</sup>
- Help save energy with HP Auto-On/Auto-Off Technology.<sup>1</sup>
- Get quick and easy printing and faxing directly at the control panel.

## Easy mobile printing with HP Smart app

- Print and scan from your smartphone, and easily order toner, with the HP Smart app.<sup>2</sup>
- Easily print from a variety of smartphones and tablets.<sup>5</sup>
- Easily share resources – access and print with wireless networking.<sup>6</sup>
- Connect your smartphone or tablet directly to your printer – and easily print without accessing a network.<sup>7</sup>



<sup>1</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>2</sup> Requires the HP Smart app download. Features controlled may vary by mobile device operating system. Full list of supported operating systems and details at <http://support.hp.com/us-en/document/c03561640>. For details on local printing requirements see <http://hp.com/go/mobileprinting>. <sup>3</sup> Based on typical ownership of five years printing 350 pages per month. Based on HP Internal testing, typical 32A Original LaserJet Imaging Drum is 23,000 page yield. <sup>4</sup> Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. Learn more at <http://hp.com/go/learnaboutsupplies>. <sup>5</sup> For details on local printing requirements see <http://hp.com/go/mobileprinting>. <sup>6</sup> Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at <http://hp.com/go/mobileprinting>. Wi-Fi is a registered trademark of Wi-Fi Alliance®. <sup>7</sup> Mobile device needs to be connected to Wi-Fi Direct® signal of a Wi-Fi Direct-supported AIO or printer prior to printing. Details at <http://hp.com/go/mobileprinting>. Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®.

## HP LaserJet Pro MFP M148fdw Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax / No
<b>Print Speed<sup>14,16</sup></b>	<b>Letter:</b> Up to 30 ppm; <b>First Page Out Black:</b> As fast as 6.6 sec
<b>Duplex Print Speed</b>	<b>Letter:</b> Up to 18 ipm
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi
<b>Print Technology</b>	Laser
<b>Print Resolution Technologies</b>	HP FastRes 1200, HP ProRes 1200
<b>Print Cartridges Number</b>	1 (black)
<b>Standard Print languages</b>	PCL5c; PCL6; PS; PCLm; PDF; URF; PWG
<b>Printer Smart Software Features</b>	AirPrint®, Instant-on Technology, HP Auto-On/Auto-Off Technology, JetIntelligence cartridges, Mopria-certified, Wi-Fi Direct® printing, Duplex printing, HP Smart App
<b>Scan Type / Technology</b>	Flatbed, ADF/ Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 300 x 300 dpi (color and mono, ADF); Up to 600 x 600 dpi (color, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); <b>Optical:</b> Up to 300 dpi (color and mono, ADF); Up to 600 dpi (color, flatbed); Up to 1200 dpi (mono, flatbed)
<b>Scan File Format</b>	JPG, RAW (BMP), PNG, TIFF, PDF
<b>Scan Input Modes</b>	Scanning via HP LaserJet Software Scan or TWAIN-compliant or WIA-compliant software
<b>Scan Size Maximum</b>	<b>ADF:</b> 8.5 x 14 in; <b>Flatbed:</b> 8.5 x 11.7 in
<b>Scan Speed<sup>18</sup></b>	Up to 16 ppm
<b>Bit Depth / Grayscale levels</b>	24-bit/ 256
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 99 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Collation; Draft Mode
<b>Fax Speed<sup>13</sup></b>	<b>Up to:</b> 4.2 kbps; <b>Letter:</b> 3 sec per page
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (halftone enabled); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Smart Software Features</b>	Fax address book; Speed-dial; fax billing codes; Fax archiving and forwarding; Block incoming faxes
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 1000 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> Yes; <b>Distinctive Ring Detection Supported:</b> Yes; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> Yes; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 120 numbers (119 group dials); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> Yes
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0; 1 Ethernet 10/100Base-TX; 1 phone line (in); 1 phone line (out)
<b>Network Capabilities</b>	10/100 Ethernet
<b>Wireless Capability</b>	built-in WiFi 802.11b/g/n
<b>Mobile Printing Capability<sup>9</sup></b>	HP ePrint; Wi-Fi Direct® printing; Apple AirPrint®; Google Cloud Print™; HP Smart App
<b>Memory</b>	<b>Standard:</b> 256 MB; <b>Maximum:</b> 256 MB
<b>Processor Speed</b>	800 MHz
<b>Duty Cycle<sup>10</sup></b>	<b>Monthly, letter:</b> Up to 20,000 pages
<b>Recommended Monthly Page Volume<sup>11</sup></b>	200 to 2,000 pages
<b>Media Types Supported</b>	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards
<b>Media Weight Supported</b>	16 to 43 lb
<b>Media Sizes Supported</b>	Letter; legal; executive; 8.5 x 13 in; envelopes
<b>Media Sizes Custom</b>	3 x 5 to 8.5 x 14 in
<b>Paper Handling</b>	250-sheet input tray; 10-sheet priority tray; 150-sheet output tray; <b>Duplex Options:</b> Automatic 2-sided printing (standard); <b>Auto Document Feeder Capacity:</b> Standard, 35 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 1 main tray plus 10 sheet priority; <b>Input Capacities:</b> Up to 260 sheets standard; Up to 100 <b>Output Capacities:</b> Up to 150 sheets standard

<b>What's in the box</b>	<b>4PA42A</b> HP LaserJet Pro MFP M148fdw Printer; HP Introductory Black LaserJet toner cartridge (~1,000 pages); HP Original LaserJet Imaging Drum (~23,000 pages); Power Cord; Phone Cord; USB Cable; Getting Started Guide; Printer documentation.
<b>Replacement Cartridges<sup>7</sup></b>	HP 94A Original Black LaserJet Toner Cartridge CF294A (~1,200 pages), HP 94X Original Black LaserJet Toner Cartridge CF294X (~2,800 pages), HP 32A Original LaserJet Imaging Drum CF232A (~23,000 pages)
<b>Product Dimensions<sup>3</sup></b>	<b>W x D x H:</b> 15.9 x 16 x 12.3 in; <b>Maximum:</b> 15.9 x 24.6 x 17.9 in
<b>Product Weight</b>	20.7 lb
<b>Warranty Features</b>	One year limited warranty
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Silver
<b>Control Panel</b>	2-line LCD with Alphanumeric keypad; 2-line LCD text display; Buttons (OK, Back, Forward/Backward, Cancel, Number of Copy, Darker/Lighter, Copy Menu, Start Copy, Main Setup, Redial, Alphanumeric Keypad, Start Fax, Wireless); 2 light-emitting diode (LED) indicator lights (Ready, Attention).
<b>Display Description</b>	2-line LCD and Keyboard
<b>Software Included</b>	For Windows OS: HP Software Installer; HP Software Uninstaller (exclude Win8+); HP PCL6 Printer Driver; HP Scan Driver; HP Scan Application; HP Fax Driver; HP Fax Application; HP Device Experience (DXP); HP Web Services Assist (HP Connected); Device Setup & Software; HP Printer Assistant; HP Product Improvement Study; Online user manuals; For Mac OS: Directs users to download Software
<b>Compatible Operating Systems<sup>12</sup></b>	Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, Internet connection, USB port, Internet Explorer; Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, Internet connection, USB port, Internet Explorer; Apple® OS X El Capitan (v10.11), macOS Sierra (v10.12), macOS High Sierra (v10.13); macOS Mojave (v10.14), Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ); Unix (For more information, see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> )
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit; Windows Server 2008 R2 64-bit (SP1); Windows Server 2012 64-bit; Windows Server 2012 R2 64-bit; Windows Server 2016
<b>Minimum System Requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, Internet connection, USB port, Internet Explorer, Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, Internet connection, USB port, Internet Explorer.; <b>MAC:</b> Apple® macOS Sierra (v10.12), macOS High Sierra (v10.13); macOS 10.14 (Mojave); 2 GB Available Space; Internet access
<b>Power<sup>4</sup></b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 5.9A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 3.3 A; <b>Power Consumption:</b> 475 watts (active printing), 4.5 watts (ready), 1.0 watts (sleep), 0.8 watts (Auto Off/Wake on USB, enabled at shipment)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) (printing at 28 ppm)
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 50 to 90.5°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 140°F; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>HP Service and Support Options</b>	UQ220E - HP 2 Year Care Pack Business Priority Support with Next Business Day Exchange; UQ221E - HP 3 Year Care Pack Business Priority Support with Next Business Day Exchange; UQ222E - HP 4 Year Care Pack Business Priority Support with Next Business Day Exchange; U6M41E - HP 2 Year Care Pack Business Priority Support with Onsite Exchange; U6M42E - HP 3 Year Care Pack Business Priority Support with Onsite Exchange; U6M43E - HP 4 Year Care Pack Business Priority Support with Onsite Exchange

Learn more at [hp.com](http://hp.com)

<sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. <sup>2</sup> HP Introductory Black LaserJet Toner Cartridge (~1000 pages), HP 32A Original LaserJet Imaging Drum (~23,000 pages). Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>3</sup> Dimensions vary as per configuration. <sup>4</sup> 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 115V device. <sup>5</sup> 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. <sup>6</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>7</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>8</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required. <sup>9</sup> HP ePrint - Printer requires ePrint account registration. App or software may be required. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Apple AirPrint - Mobile device must have AirPrint®. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct® printing - Feature is supported on select printers. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. <sup>10</sup> 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. <sup>11</sup> 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. <sup>12</sup> Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit); Not all "Compatible Operating Systems" are supported with software; Full solution software available only for Windows 7 and newer; Legacy Windows Operation Systems (XP, Vista, and equivalent servers) get print drivers only; Windows Server OS install driver only by command line method; Windows RT OS for Tablets (32 & 64-bit) uses a simplified HP print driver built into the RT OS; Linux systems use in-OS HPLIP software. <sup>13</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will increase the transmission time. <sup>14</sup> 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. <sup>15</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>16</sup> 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. <sup>17</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, 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. <sup>18</sup> Measured using ISO/IEC 17991, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document complexity.

