



# HP LaserJet MFP M234dw Printer

Get wireless two-sided printing,<sup>1</sup> smart setup and mobility solutions,<sup>2</sup> and MFP productivity.

A high-productivity MFP with the fastest two-sided printing in its class<sup>2</sup> and the time-saving HP Smart app.<sup>6,7</sup> Count on peace of mind from more reliable connections,<sup>1</sup> and a worry-free experience with simplified setup.



This printer uses dynamic security, which may be updated periodically by firmware updates. The printer is intended to be used solely with cartridges using an original HP chip. Cartridges using a non-HP chip may not function or may cease to function. Learn more at: [www.hp.com/learn/ds](http://www.hp.com/learn/ds)

**Print Speed:** Up to 30 ppm; First Page Out: As fast as 6.9 sec black  
**Print Resolution:** Black (best): Up to 600 x 600 dpi, HP FastRes 1200 (1200 dpi quality)  
**Copy Resolution:** Black (text & graphics): Up to 600 x 600 dpi  
**Standard Connectivity:** 1 Hi-Speed USB 2.0; 1 Fast Ethernet 10/100Base-TX; 1 Dual-band (2.4/5.0GHz) Wireless 802.11b/g/n with Bluetooth® Low Energy  
**Mobile Printing Capability:** Apple AirPrint™; HP Smart App; Mopria™ Certified; Wi-Fi® Direct Printing  
**Duty cycle:** Monthly (letter): Up to 20,000 pages  
**Display:** 1.27" Icon LCD  
**Paper Handling:** 150-sheet input tray; 100-sheet output tray

### Work fast. Work smart.

- Speed through multipage documents with the fastest in-class two-sided printing speed.<sup>2</sup>
- You can fit this LaserJet almost anywhere – it's that small and compact. Get projects done quickly with a printer that fits almost anywhere.
- Get better range and faster, more reliable connections using dual-band Wi-Fi™ with self-reset.<sup>1</sup>
- Easily share resources – access and print with wireless and Ethernet networking.<sup>4</sup>

### Stay productive from anywhere

- Get high-quality scanning, and share to Dropbox, Google Drive, email, or the cloud – from virtually anywhere – with HP Smart app.<sup>6</sup>
- Quickly access and print documents and images on your smartphone, from Dropbox and Google Drive, using HP Smart app.<sup>6</sup>
- With HP Smart app, you can stay connected to your printer from virtually anywhere.<sup>6</sup> Get notifications when printing, scanning, or copying from your smartphone.<sup>6</sup>

### Never run out of toner with HP Instant Ink<sup>10</sup>

- Instant Ink is HP's smart toner subscription service. Your printer knows when it's running low, and HP automatically sends replacement toner before you run out.<sup>11</sup>
- Enroll in Instant Ink to get toner plus hassle-free delivery and recycling, all starting at \$1.99 a month.

### Help make a positive impact on the environment

- This HP LaserJet meets ecolabel requirements, including ENERGY STAR® and BLUE ANGEL.
- Help save energy with a LaserJet that uses up to 20% less energy than previous model.
- Help save energy with HP Auto-On/Auto-Off Technology – intelligence that can turn your printer on when you need it and off when you don't.<sup>8</sup>
- HP FSC®-certified paper is sustainably sourced from responsibly managed, renewable forest sources, which helps stop deforestation and protect wildlife.



<sup>1</sup> Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi is a registered trademark of Wi-Fi Alliance®. 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) vs 2.4 GHz band (up to 72.2 mbps). Internet access required and must be purchased separately. <sup>2</sup> Compared to in-class monochrome laser printers and MFPs less than \$210 USD or 220€ for single function or less than \$310 USD or 320€ for multifunction, all with a published maximum monthly duty cycle of 20,000 or lower. Buyers Lab September 2020 study commissioned by HP based on a research survey OEM published specifications publicly available information as of 09/01/2020. Market share as reported by IDC Quarterly Hardcopy Peripherals Tracker - Final Historical 2020Q2 for North America and EMEA. For details: [www.keypointintelligence.com/HPFastestDuplex](http://www.keypointintelligence.com/HPFastestDuplex). <sup>3</sup> Wireless capabilities and 40-page automatic document feeder available only on selected models. <sup>4</sup> Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>5</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 [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®. <sup>6</sup> Requires the HP Smart app download. For details on local printing requirements see [www.hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting). Certain features/software are available in English language only, and differ between desktop and mobile applications. Instant Ink subscription may be required. Instant Ink not available in all countries. See details at [www.hp.com/go/tonerservice](http://www.hp.com/go/tonerservice). 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, and may require additional purchase. For more information, see [www.hp.com/go/mobile-fax](http://www.hp.com/go/mobile-fax). <sup>7</sup> Based on internal HP testing. Average timing estimate based on: 1) downloaded HP Smart app on mobile device, 2) setting up Shortcut, 3) scanning jobs which have more than 2-3 tasks associated with them (scan to email, save and rename, store to cloud, etc.). Average timing savings comparison based on using printer and desktop scan software to complete similar scanning tasks. Requires the HP Smart app download and supported HP printer. For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Certain features/software are available in English language only. <sup>8</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>9</sup> Compared to OEM printing apps for the majority of top-selling inkjet/laser printers and all-in-ones for the home and office, priced less than or equal to \$449.99 USD. Market share as reported by IDC QYQ4 2019 Hardcopy Peripherals Tracker. Claim based on research of printer manufacturer's print apps and Keypoint Intelligence - Buyers Lab hands-on testing and study commissioned by HP. For details, please see: [www.keypointintelligence.com/HPSmartApp](http://www.keypointintelligence.com/HPSmartApp) <sup>10</sup> Never run out of toner: Based on plan usage, Internet connection to eligible HP printer, valid credit/debit card, email address, and delivery service in your geographic area. <sup>11</sup> Toner is delivered automatically. Printers require direct connection to the Internet for program participation. Internet access sold separately.

## HP LaserJet MFP M234dw Printer Technical specifications

Functions / Multitasking supported	Print, copy, scan / No
Print speed black	<b>Letter:</b> Up to 30 ppm; <b>First page out:</b> As fast as 6.9 sec; <b>Print speed duplex:</b> Up to 19 ipm
Print resolution	<b>Black (best):</b> Up to 600 x 600 dpi
Print technology	Laser
Print cartridges number	1 (black)
Standard print languages	PCLmS; URF; PWG
Printer smart software features	Automatic duplex printing, HP Auto-On/Auto-Off <sup>1</sup> , HP Smart App <sup>2</sup>
Scan type / Technology <sup>11</sup>	Flatbed
Scan input modes	HP Smart App; and user applications via Twain
Scan size maximum	<b>Flatbed:</b> 8.5 x 11.7 in
Bit depth / Grayscale levels	24-bit/256
Digital sending standard features	Not support
Copy speed black	<b>Copy speed:</b> Up to 30 cpm
Copy resolution	<b>Black (text and graphics):</b> Up to 600 x 600 dpi
Maximum number of copies	Up to 99 copies
Copier settings	Reduce/Enlarge; Number of Copies; Lighter/Darker; Optimize; Paper size/type
Copier resize	25 to 400%
Standard connectivity	1 Hi-Speed USB 2.0; 1 Fast Ethernet 10/100Base-TX; 1 Dual-band (2.4/5.0GHz) Wireless 802.11b/g/n with Bluetooth <sup>®</sup> low energy
Network capabilities	1 Ethernet 10/100Base-TX; 1 built-in Wi-Fi 802.11b/g/n
Wireless capability	1 built-in Wi-Fi 802.11b/g/n
Mobile printing capability	Apple AirPrint™; HP Smart App; Mopria™ Certified; Wi-Fi® Direct Printing
Memory	<b>Standard:</b> 64 MB; <b>Maximum:</b> 64 MB
Processor speed	500 MHz / <b>Hard disk:</b> No
Duty cycle	Monthly letter: Up to 20,000 pages
Recommended monthly page volume	200 to 2,000
Media types supported	Paper (laser, plain, rough, vellum), Envelopes, Labels, Cardstock, Postcard
Media weight supported	16 to 43 lb
Media sizes supported	Letter, Legal, Executive, Envelopes
Media Sizes Custom	4 x 6 to 8.5 x 14 in
Paper handling	<b>Input Capacities:</b> Up to 150 sheets Standard; Up to 10 envelopes <b>Output Capacities:</b> Up to 100 sheets Standard <b>Duplex Options:</b> Auto-duplex <b>Envelope feeder:</b> NA <b>Standard paper trays:</b> 1

What's in the box	<b>6GW99F</b> HP LaserJet MFP M234dw Printer; HP Black LaserJet Toner Cartridge (~700 pages); Dust Cover; Reference Guide; Setup Poster; Warranty Guide & Flyer in some countries; Power cord
Replacement cartridges <sup>4</sup>	HP 134A Black LaserJet Toner Cartridge, W1340A (~1100), HP 134X Black LaserJet Toner Cartridge, W1340X (~2400)
Product dimensions	<b>W x d x h:</b> 14.49 x 11.76 x 9.52 in; <b>Maximum:</b> 14.49 x 16.52 x 17.18 in
Product weight	16.76 lb
Warranty features	One-year limited warranty
Energy efficiency compliance	ENERGY STAR <sup>®</sup> certified; EPEAT <sup>®</sup> Silver
Energy star certified	Yes
Blue Angel Compliance	Yes, Blue Angel DE-UZ 205
Control panel	Icon LCD; 3 lights (Media, Toner, Lid open); 10 buttons (Wi-Fi, Minus, Menu, Plus, Copy, ID copy, Info, Resume, Cancel, Power)
Display description	1.27" Icon LCD
Software included	Downloadable Software from hp.com or 123.hp.com; #CD include HP Software Installer, Uninstaller, printer driver and other essential tools
Compatible operating systems	Microsoft® Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer. Apple® macOS High Sierra (v10.13) macOS Mojave (v10.14) macOS Catalina (v10.15); 2 GB HD; Internet required; Linux (For more information, see <a href="https://developers.hp.com/hp-linux-imaging-and-printing">https://developers.hp.com/hp-linux-imaging-and-printing</a> )
Compatible network operating systems	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 64-bit; Linux (For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> )
Minimum system requirements	<b>PC:</b> Microsoft® Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer.; <b>Mac:</b> Apple® macOS v10.14 Mojave, macOS v10.15 Catalina, macOS v11 Big Sur; 2 GB HD; Internet required
Power <sup>9</sup>	<b>Power supply type:</b> Built-in 110V Power Supply; <b>Power requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 4.8 A; 220-volt; <b>Power consumption:</b> 453 watts (active printing), 3.3 watts (ready), 0.6 watts (sleep), 0.6 watts (Auto Off/Wake on LAN, enabled at shipment), 0.04 watts (Auto-off/Manual-on), 0.04 (Manual Off)
Acoustics	<b>Acoustic power emissions:</b> 6.6 B(A)
Operating environment	<b>Operating temperature range:</b> 59 to 90.5°F; <b>Recommended operating temperature:</b> 63.5 to 77°F; <b>Storage temperature range:</b> -4 to 140°F; 10 to 90% RH; <b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended humidity operating range:</b> 30 to 70% RH

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

<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. For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Certain features/software are available in English language only. Wi-Fi is a registered trademark of Wi-Fi Alliance<sup>®</sup>. <sup>3</sup> 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. <sup>4</sup> 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>. Approximate yield. Actual yield depends on printer and specific use. See <http://www.hp.com/go/pageyield> for more information. <sup>5</sup> Measured using ISO/IEC 24734 Feature Performance Test, 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>6</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>7</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>8</sup> Based on the Blue Angel TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>9</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 115V device. <sup>10</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 115V device. <sup>11</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

