HP LaserJet MFP M234d Printer (8J9K4F)



Overview

Reliable, high-performance black-and-white two-sided printing, with scanning and copying, in an award-winning compact design.[2]

Increase productivity with this high-performance black-and-white printer in an award-winning compact design.[2] Experience the fastest two-sided printing in class[8] with copying and scanning, plus simplified setup and time-saving features with the HP app.[3]

Built for fast and reliable printing

Deliver multipage documents in a flash with the fastest two-sided printing in class.[8]

Easy to set up, easy to use

Get started fast with easy setup guidance from the HP app.[1] Quickly setup and get back to business.

Award-winning design for your workspace[2]

Save space and reduce clutter with an award-winning compact design.[2]

Compact and energy saving design

Optimize printer energy usage with HP Auto-On/Auto-Off technology.[4]

Features

Fast two-sided printing

Small size. Big performance.



Easily handle high-volume print jobs

Increase productivity



Seamless setup[1]

Quickly connect your printer[6]

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[1] Requires HP app download available at https://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 https://www.hpsmart.com

[2] https://www.red-dot.org/project/hp-laserjet-printer-series-52406

[3] Based on internal HP testing. Average timing estimate based on: 1) downloaded HP app on mobile or desktop 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 app download and supported HP printer. For details on local printing requirements see https://www.hp.com/go/mobileprinting

[4] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

[8] Compared to in-class monochrome duplex laser printers less than $149 USD and 129€ EUR and duplex laser MFPs less than $229 USD and 199€ EUR. Exact HP printer speeds vary depending on the system configuration, software application, driver, and document complexity. Keypoint Intelligence March 2024 study commissioned by HP, based on research of OEM-published specifications and publicly available information as of March 2024. Market share as reported by IDC for Q4 2023 for North America and Europe. For details: keypointintelligence.com/HPFastestDuplexM200

Specifications

Print Resolution Black (best)	Up to 600 x 600 dpi
Print Speed Black (normal, A4)	Up to 29 ppm
Print Speed Black (normal, letter)	Up to 30 ppm
Print Speed	Print speed up to 28 ppm (black)
Print Margin Bottom (A4)	6 mm
Print Margin Left (A4)	5 mm
Print Margin Right (A4)	5 mm
Print Margin Top (A4)	6 mm
AIO Functions	Print, copy, scan
Duplex Print Options	Auto-duplex
Duty Cycle (monthly, A4)	Up to 20,000 pages
Printer Smart Software Features	Automatic duplex printing, HP Auto-On/Auto-Off, HP App[1,2]
Energy Savings Feature Technology	HP Auto-on/Auto-off Technology
Replacement Cartridges	Regular Replacement Cartridge for DM1: HP 134A Black LaserJet Toner Cartridge, W1340A (~1100), HP 134X Black LaserJet Toner Cartridge, W1340X (~2400); Regular Replacement Cartridge for DM2: HP 135A Black LaserJet Toner Cartridge, W1350A (~1100), HP 135X Black LaserJet Toner Cartridge, W1350X (~2400)[5]
Supplies Feature	HP JetIntelligence Cartridge
Connectivity, Std	1 Hi-Speed USB 2.0 (device)
Software Included	No CD inbox (expect Indonesia and China Gov); Downloadable Software from hp.com or 123.hp.com; #CD include HP Software Installer, Uninstaller, printer driver and other essential tools
Compatible Operating Systems	Windows 11; Windows 10; Windows 8; Windows 8.1; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 15 Sequoia; Linux[15] *([15] Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit) Full solution software available only for Windows 10 and newer; For Windows Server 2008 R2 64-bit, 2012 64-bit, 2012 R2 64-bit, 2016 64-bit only print driver is installed. 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.)*
Technical Features	AirPrint; Automatic two-sided printing; Compact size; HP Auto-On/Auto-Off; JetIntelligence Toners; Scan-to-cloud; Scan-to-email; Scan-to-folder
Sustainability Specifications	Mercury free
Ecolabels (fixed)	Blue Angel
Blue Angel Compliance	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy Speed Black (normal A4)	Up to 14 cpm
Copy Speed Black (normal, letter)	Up to 14 cpm

Scan File Format	JPEG, TIF, PDF, BMP, PNG
Scan Input Modes	HP App; and user applications via Twain
Display Area (imperial)	Either 1.22 x 1.06 in or 1.4 x 1.3 in
Display Area (metric)	Either 31 x 27 mm or 35.5 x 33 mm
Display Description	1.27" Icon LCD
Product Dimensions W x D x H (metric)	368 x 298.6 x 241.9 mm
Product Dimensions W x D x H (imperial)	14.49 x 11.76 x 9.52 in
Weight (metric)	7.6 kg
Weight (imperial)	16.76 lb
Power Consumption Description	453 watts (active printing), 3.3 watts (ready), 0.6 watts (sleep), 0.6 watts (Auto Off/Wake on USB, enabled at shipment), 0.04 watts (Auto-off/Manual-on), 0.04 (Manual Off)[3] *([3] 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.)*
Power Supply Type	Built-in 110V or 200V Power Supply
What Is In The Box	HP LaserJet MFP M234d; Preinstalled HP Black Original LaserJet Toner Cartridge; Dust cover; Power Cord; Reference Guide; Setup Poster; Regulatory Flyer; USB cable.[4]
Manufacturer Warranty	One-year limited warranty

Additional specifications

Acoustic Power Emissions (active scan)	6.1 B(A)
Acoustic Power Emissions (active, printing)	6.6 B(A)
Acoustic Power Emissions (ready)	2.6 B(A)
Acoustic Power Note	[8] Configuration tested: simplex printing, A4 paper at an average of 29 ppm
Acoustic Pressure Emissions Bystander (active scan)	45 dB(A)
Acoustic Pressure Emissions Bystander (active, printing)	51 dB(A)
Acoustic Pressure Emissions Bystander (ready)	16 dB(A)
Automatic Paper Sensor	Yes
Bit Depth	24-bit
Cartons Per Layer	8
Certifications and Compliances	RCM (Australia), TUV and GS Mark (Germany), BSMI (Taiwan), CCC (China), BIS (India), KC (South Korea), Malaysia, Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, UL, Paraguay, Indonesia, Singapore, Philippines, etc.
Color Scanning	Yes
Color or Black (filter)	Black and white
Compatible Network Operating Systems	Windows 11; Windows Server; macOS 15 Sequoia; Linux
Control Panel	Icon LCD; 3 lights (Media, Toner, Lid open); 10 buttons (Wi-Fi, Minus, Menu, Plus, Copy, ID copy, Info, Resume, Cancel, Power)
Copier Reduce/enlarge	25 to 400%
Copier Settings	Auto-enlarge; Lighter/Darker; Number of Copies; Optimize; Paper Size; Paper type; Reduce to Fit
Copy Resolution, Black Text	Up to 300 x 300 dpi
Copy Speed Note	[7] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application and document complexity.
Count of Layers In Pallet	6
Driver Updates	123.hp.com

Duty Cycle Note	[12] 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.
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.
First Copy Out Black (A4)	As fast as 14.2 sec
First Copy Out Black (A4, sleep)	As fast as 10.4 sec
First Copy Out Black (letter)	As fast as 13.9 sec
First Copy Out Black (letter, sleep)	As fast as 10.1 sec
First Page Out Black (A4, ready)	As fast as 7 sec
First Page Out Black (A4, sleep)	As fast as 7.6 sec
First Page Out Black (letter, ready)	As fast as 6.9 sec
First Page Out Black (letter, sleep)	As fast as 7.5 sec
First Page Out, Footnote	[11] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Grayscale Levels	256
Input Capacity, Max	Up to 150 sheets
Input Capacity, Max, Envelopes	Up to 10 envelopes
Input Capacity, Std	Up to 150 sheets
Key Media Sizes Supported (imperial)	4 x 6 in; Letter; Legal; Envelopes
Key Media Sizes Supported (metric)	10 x 15 cm; A4; Envelopes
Mac Compatible	Yes
Max Dimensions W x D x H (imperial)	14.49 x 16.52 x 17.18 in
Max Dimensions W x D x H (metric)	368 x 419.6 x 436.3 mm
Max Number Of Copies	Up to 99 copies
Maximum Memory	64 MB
Media Size, Tray 1 (metric)	A4; A5; A6; B5 (JIS)
Media Sizes Custom (imperial)	4 x 6 to 8.5 x 14 in
Media Sizes Custom (metric)	101.6 x 152.4 to 216 x 356 mm
Media Type and Capacity Tray 1	Sheets: 150; Envelopes: 10
Media Types	Paper (laser, plain, rough, vellum), Envelopes, Labels, Cardstock, Postcard
Media Weights Supported, By Paper Path (Imperial)	16 to 43 lb

Media Weights Supported, By Paper Path (metric)	60 to 163 g/m²
Media Weights Supported, Tray 1 (metric)	60 to 163 g/m²
Memory Slots	No
Memory Upgrade	No
Model Number	M234d
Native Scan File Format	JPG; PDF
Non-operating Humidity Range	10 to 90% RH
Number of Simultaneous Users (local + network)	1-5 Users
Operating Humidity Range	10 to 80% RH
Operating Humidity Range (recommended)	30 to 70% RH
Operating Temperature Range (celsius)	15 to 32.5ºC
Operating Temperature Range (fahrenheit)	59 to 90.5ºF
Operating Temperature Range (recommended celsius)	17.5 to 25ºC
Operating Temperature Range (recommended fahrenheit)	63.5 to 77ºF
Output Capacity, Max	Up to 100 sheets
Output Capacity, Std	Up to 100 sheets
Output Capacity, Std, Envelopes	Up to 10 envelopes
Package Dimensions W x D x H (imperial)	19.6 x 11.7 x 15.3 in
Package Dimensions W x D x H (metric)	497 x 298 x 388 mm
Package Weight (imperial)	20.9 lb
Package Weight (metric)	9.5 kg
Page Yield (set-up/inbox cartridges)	In box cartridge yields ~700 black pages based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see: https://www.hp.com/go/toneryield . Pages may vary based on customer printing conditions and usage
Page Yield Footnote	[6] Approximate yield. Actual yield depends on printer and specific use. See http://www.hp.com/go/pageyield for more information.
Pallet Dimensions (imperial)	47.24 x 39.37 x 91.68 in
Pallet Dimensions W x D x H (metric)	1200 x 1000 x 2329 mm
Pallet Weight (imperial)	1007.5 lb

Pallet Weight (metric)	457 kg
Paper Handling Standard/input	150-sheet input tray
Paper Handling Standard/output	100-sheet output tray
Paper Trays, Maximum	1
Paper Trays, Standard	1
Power Supply Required	110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 4.8 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 2.8 A
Print Cartridges/Bottle, Number	1 (black)
Print Colors	No
Print Languages, Standard	PCLmS; URF; PWG
Print Resolution Black (normal)	600 x 400 dpi, 600 x 600 dpi
Print Speed Black (Landscape, A5)	Up to 29 ppm
Print Speed Black (Portrait, A5)	Up to 7 ppm
Print Speed Black Duplex (A4)	Up to 18 ipm
Print Speed Black Duplex (Letter)	Up to 19 ipm
Print Speed Color Duplex (A4)	Up to 18 ipm
Print Speed Footnote (A5)	[10] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print Speed Footnote Number (A5)	[10]
Print Technology	Laser
Printable Area Maximum (metric)	216 x 354 mm
Printer Management	HP Printer Assistant (UDC); HP Device Toolbox
Printer Smart Software Features Footnote	[1] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.[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.
Processor Speed	500 MHz
Product Long Name Specifications	HP LaserJet MFP M234d Printer, Black and white Printer for Small Office, Print, copy, scan, Two-sided printing; Scan to email; Scan to PDF
Product Short Name Specifications	HP LaserJet M234d Multifunction Black and white Printer, Copier, Scanner; Duplex
Quantity Per Pallet	48
RMN Number	SHNGC-1901-00 or SHNGC-1901-01

Recommended Media Weight (duplex, imperial)	16 to 28 lb
Recommended Media Weight (duplex, metric)	60 to 105 g/m²
Recommended Monthly Page Volume	200 to 2,000
Recommended Monthly Page Volume Note	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.
Recommended Monthly Scan Volume	150 to 1500
Replacement Cartridges Footnote	[5] 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
Safety Approvals and Requirements	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013; IEC 60950-1:2005 +A1:2009+A2:2013; IEC/EN 62368-1:2014; CAN/CSA C22.2 No. 62368-1, 3rd Edition; UL62368-1, 3rd Edition; IEC/EN 60825-1 3rd Edition; EN 62479:2010 / IEC 62479:2010
Scan Resolution, Hardware	600 x 600 dpi
Scan Resolution, Optical	Up to 600 dpi
Scan Size Maximum (flatbed, imperial)	8.5 x 11.7 in
Scan Size Maximum (flatbed, metric)	297 x 216 mm
Security Management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; TLS 1.0/1.1 disabled by default; Update to OpenSSL version 1.1.1; enable/disable Network ports; SNMPv1, SNMPv2, and SNMPv3, community password change; Secure defaults, Encrypted data at rest, Active FW update, Admin password by default, Cipher & TLS selection; Account lockout; Secure Wi-Fi setup
Segment (filter)	Small office
Software Scan File Format	JPEG, TIF, PDF, BMP, PNG
Standard Media Sizes (duplex, Imperial)	Letter
Standard Media Sizes (duplex, metric)	A4
Standard Media Sizes Supported (imperial)	Letter, Legal, Executive, Envelopes
Standard Media Sizes Supported (metric)	A4; A5; A6; B5 (JIS)
Standard Memory	64 MB
Storage Temperature Range (celsius)	-20 to 60°C

Storage Temperature Range (fahrenheit)	-4 to 140°F
System Requirements, Macintosh, Minimum	macOS v14 Sonoma; macOS v13 Ventura; macOS v12 Monterey; 2 GB HD; Internet required; USB
System Requirements, Minimum	Microsoft® Windows® 11, 10: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection, Microsoft® Internet Explorer; USB Port
Target Number of Users and Print Volume	For teams up to 5 users; Prints up to 20,000 pages/month
Tariff Numbers	8443310000
Technology	Laser
Top Key Features	Two-sided printing; Scan to email; Scan to PDF
Twain Version	Version 2.1
Typical Electricity Consumption (TEC) Footnote	[13] 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.
Typical Electricity Consumption (TEC) number	0.267 kWh/Week (Blue Angel)[13]
UNSPSC Code	43212110
UPC Number	(ABT) 197961892956; (ABY) 197961892963; (B19) 197961892970; (BAZ) 197961892987
Warm-up Time	As fast as 45 sec
Warranty Standard Statement	DM1: HP Commercial/Limited Warranty applicable only in the USA, CA, AU, and NZ. For details visit: www.hp.com/go/tonerwarranty. DM2: Only intended for sale and use in the EEA, CH, UK, and IL. HP Commercial Warranty only applicable in these listed countries/regions. For more information, visit: www.hp.com/go/tonerwarranty. EM1: Not intended for sale nor warrantied by HP in the USA, AU, NZ, EEA, CH, UK, IL, CN, and IN. HP Limited Warranty applies in all countries/regions EXCEPT those listed. For more information, visit: www.hp.com/go/tonerwarranty. EM2: Only intended for sale in China and India. HP Commercial Warranty only applicable in these listed countries/regions. For more information, visit: www.hp.com/go/tonerwarranty.
What Is In The Box Footnote	[4] 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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[1] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

[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] 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.

[4] 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.

[5] 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

[13] 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.

[15] Not supporting Windows® XP (64-bit) and Windows Vista® (64-bit) Full solution software available only for Windows 10 and newer; For Windows Server 2016 64-bit only print driver is installed; Linux systems use in-OS HPLIP software.

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Black and White Laser Toner Printer Cartridges

HP 137A Black Original LaserJet Toner Cartridge	**W1370A ★**
HP 137X High Yield Black Original LaserJet Toner Cartridge	**W1370X ★**
HP 134A Black Original LaserJet Toner Cartridge	W1340A
HP 134X High Yield Black Original LaserJet Toner Cartridge	W1340X
HP 135A Black Original LaserJet Toner Cartridge	W1350A
HP 135X High Yield Black Original LaserJet Toner Cartridge	W1350X
HP 136A Black Original LaserJet Toner Cartridge	W1360A
HP 136X High Yield Black Original LaserJet Toner Cartridge	W1360X

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM 20 lb 11 x 17 in. (279 x 432 mm) 250 sheets	HPM1720P
HP MultiPurpose20TM 20 lb 8.5 x 11 in. (216 x 279 mm) 500 sheets	HPM1120R
HP MultiPurpose20TM 20 lb 8.5 x 14 in. (216 x 356 mm) 500 sheets	HPM1420P

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