



# HP Color Laser MFP 178nw (4ZB96A)

## Overview

### Colour laser MFP performance at an affordable price

Get productive MFP performance – world's smallest colour laser in its class.[1] Print, scan, and copy, produce high-quality colour results, and print and scan from your phone.[2]



### Legendary quality at an affordable price

This surprisingly small laser delivers exceptional quality, page after page.

### Easy mobile printing and scanning with HP app

Get simple setup, and print and scan from your phone, with the HP Smart app.[4]

### Designed to fit your space

Work efficiently with a small, compact MFP – world's smallest in-class.[1]

## Features

Uncompromising laser quality

Sharp black text, high-quality colour

The right price

The power of your printer in the palm of your hand<sup>[4]</sup>

Your device, your choice<sup>[5]</sup>

Extend your printing reach<sup>[6]</sup>

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*[1] Smallest in-class footprint compared only to dimensions of majority of worldwide competing personal colour laser printers (defined as non-discontinued colour laser printers < €200 and colour laser MFPs < €300); HP internal research of printer manufacturers' published specifications as of Sept 4, 2018 and Keypoint Intelligence-Buyers Lab 2018 study commissioned by HP. Market share as reported by IDC CYQ2 2018 Hardcopy Peripherals Tracker. Footprint for HP Color Laser 150 printer series is 1,180.6 square centimetres, for HP Color Laser 170 MFP series is 1,476.1 square centimetres.*

*[2] Requires the HP Smart app download. For details on local printing requirements see <http://www.hp.com/go/mobileprinting>.*

*[4] For details on local printing requirements see <http://www.hp.com/go/mobileprinting>.*

*[5] Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at <http://www.hp.com/go/mobileprinting>. Wi-Fi is a registered trademark of Wi-Fi Alliance®.*

*[6] 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://www.hp.com/go/mobileprinting>. Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®.*

*[4] For details on local printing requirements see <http://www.hp.com/go/mobileprinting>.*

*[5] Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at <http://www.hp.com/go/mobileprinting>. Wi-Fi is a registered trademark of Wi-Fi Alliance®.*

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## Specifications

<b>Print Resolution Technologies</b>	ReCP
<b>Print quality black (best)</b>	Up to 600 x 600 dpi 4 bits
<b>Print quality color (best)</b>	Up to 600 x 600 dpi 4 bits
<b>Print speed black (ISO, A4)</b>	Up to 18 ppm
<b>Print Speed Color (ISO)</b>	Up to 4 ppm
<b>Print speed</b>	Print speed up to 19 ppm (black) and 4 ppm (colour)
<b>Bottom margin (A4)</b>	5 mm
<b>Left margin (A4)</b>	5 mm
<b>Right margin (A4)</b>	5 mm
<b>Top margin (A4)</b>	5 mm
<b>Functions</b>	Print, copy, scan
<b>Duplex printing</b>	Manual (driver support provided)
<b>Duty cycle (monthly, A4)</b>	Up to 20,000 pages
<b>Printer smart software features</b>	Manual duplex and booklet print, N-up printing, skip blank pages, poster print, watermarks
<b>Copier smart software features</b>	Automatic adjusting background; Extended layout (2-up, 4-up, ID copy); Expanded contrast adjustments (11 different settings); Scale from one paper size to another (A4, AutoFit)
<b>Scanner advanced features</b>	Scan to WSD (network support only); Book scanning; Poster stitching for multiple scan; Text converting; Scan to E-Book; Existing file to E-Book
<b>Energy savings feature technology</b>	HP Auto-Off Technology
<b>Replacement cartridges</b>	HP 117A Black Original Laser Toner Cartridge (1,000 pages) W2070A; HP 117A Cyan Original Laser Toner Cartridge (700 pages) W2071A; HP 117A Yellow Original Laser Toner Cartridge (700 pages) W2072A; HP 117A Magenta Original Laser Toner Cartridge (700 pages) W2073A
<b>Connectivity, standard</b>	Hi-speed USB 2.0 port; Fast Ethernet 10/100Base-Tx network port; Wireless 802.11 b/g/n
<b>Network capabilities</b>	Via built-in 10/100 Base-TX networking
<b>Wireless capability</b>	Yes, built-in Wi-Fi 802.11 b/g/n
<b>Mobile printing capability</b>	Apple AirPrint™; Mobile Apps; Google Cloud Print™; Mopria™ certified; HP app; Wi-Fi® Direct Printing
<b>Network protocols, supported</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), WSD; Discovery: SLP, Bonjour, WS-Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv1/v2/v3, HTTP
<b>Software included</b>	Common Installer, V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program

<b>Compatible Operating Systems</b>	Windows 11; Windows 8; macOS 10.11 El Capitan; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave <sup>[8]</sup> <i>(Windows 10 or higher)</i>
<b>Sustainability specifications</b>	Mercury free
<b>Energy star certified</b>	No
<b>Ecolabels</b>	CECP
<b>Copy speed (black, normal quality, A4)</b>	Up to 18 cpm
<b>Copy speed (color, normal quality, A4)</b>	Up to 4 cpm
<b>Digital sending standard features</b>	Scan to WSD; PC Scan
<b>Faxing</b>	No
<b>Scan file format</b>	PDF, JPG, TIFF
<b>Scan input modes</b>	Front-panel scan, copy, HP MFP scan software, user application via TWAIN or WIA
<b>Scan technology</b>	Contact Image Sensor (CIS)
<b>Scanner type</b>	Flatbed
<b>Display area (metric)</b>	65.5 x 14.8 cm
<b>Display</b>	2-Line LCD
<b>Dimensions (W x D x H)</b>	406 x 363 x 288.7 mm <i>(Dimensions vary as per configuration)</i>
<b>Weight</b>	12.94 kg <sup>[10]</sup> <i>(Weight varies as per configuration)</i>
<b>Power consumption</b>	300 watts (active printing), 38 watts (ready), 1.9 watts (sleep), 0.2 watts (manual off), 0.2 watts (auto off/manual on) <sup>[11]</sup>
<b>Power supply type</b>	Internal (Built-in) power supply
<b>What's in the box</b>	HP Color Laser MFP 178nw; Preinstalled introductory HP Laser Printer Black print cartridge (700 pages); HP Laser Printer Cyan print cartridge (500 pages); HP Laser Printer Yellow print cartridge (500 pages); HP Laser Printer Magenta print cartridge (500 pages); Imaging drum; Toner collection unit; Setup poster; Reference guide; Support flyer; Warranty guide; No CD-ROM; Power cord; USB cable <sup>[13]</sup>
<b>Manufacturer Warranty</b>	One-year limited hardware warranty; For more info please visit us at <a href="https://www.support.hp.com">https://www.support.hp.com</a>

## Additional specifications

<b>Acoustic power emissions (active scan)</b>	6.2 B(A) (Scanning at 18 ipm with ADF only)
<b>Acoustic power emissions (active, printing)</b>	6.5 B(A) (printing at 18 ppm with monochrome mode); 6.1 B(A) (printing at 4 ppm with colour mode)
<b>Additional information about HP</b>	<a href="https://www.hp.com">https://www.hp.com</a>
<b>Additional information about HP in the countries</b>	<a href="https://www.hp.com/uk">https://www.hp.com/uk</a>
<b>Automatic paper sensor</b>	No
<b>Bit depth</b>	8-bit (mono); 24-bit (color)
<b>Cable included</b>	Yes, 1 USB cable
<b>Certifications and compliances</b>	CE Marking, Nemko, Fimko, Demko, Semko, Eastern European
<b>Color or black</b>	Color
<b>Color scanning</b>	Yes
<b>Compatible Network Operating Systems</b>	Windows 11; Windows 8; macOS 10.11 El Capitan; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave
<b>Connection type</b>	Wireless
<b>Control panel</b>	2-Line LCD; 13 Buttons: Power, Cancel, Start(Monochrome/Colour), Navigation (Menu, OK, Back, Left, Right), ID_Copy, Contrast, Scan to, Wireless; LED indicator lights: Power, Status, Wireless
<b>Copier settings</b>	Copies; Original Size; Reduce/Enlarge; Darkness; Original Type; Collation; 2-Up; 4-Up; ID Copy; Adjust Background; Auto Fit Copy; Colour Mode
<b>Copies, maximum</b>	Up to 999 copies
<b>Copy reduce / enlarge settings</b>	25 to 400%
<b>Copy resolution (black text)</b>	Up to 600 x 600 dpi (flatbed); Up to 600 x 600 dpi
<b>Copy resolution (color text and graphics)</b>	Up to 600 x 600 dpi (flatbed); Up to 600 x 600 dpi
<b>Datasheet photo 1</b>	Publication photos/HP Color Laser MFP 178nw Front.jpg
<b>Datasheet photo 2</b>	Publication photos/HP Color Laser MFP 179fnw Jolt Front.jpg
<b>Datasheet photo 3</b>	Publication photos/HP Color Laser MFP 179fnw.jpg
<b>Datasheet photo 4</b>	Publication logos/Mobile_printing_thin_icon.jpg
<b>Datasheet photo 5</b>	Publication logos/Legendary_HP_reliability_thin_icon.jpg
<b>Downloadable software</b>	V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program, HP LJ PC-FAX (Only for 4-in-1 model)
<b>Driver updates</b>	Latest supported operating systems and print drivers available at <a href="https://www.support.hp.com">https://www.support.hp.com</a>
<b>Duty cycle note</b>	Duty cycle is defined as the maximum number of pages per month of imaged output.
<b>Dynamic security</b>	Dynamic security enabled printer

**Electromagnetic compatibility**

EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010, EN 55032:2012/AC:2013, 47 CFR Part 15, Subpart B I ANS I C63.4-2009, ICES-003 Issue 5, KN32, KN35, CISPR22:2008, CISPR32:2012, CNS 13438 (Other EMC approvals as required by individual countries.)

<b>End of Life CO2e (kg)</b>	19
<b>Energy Usage CO2e (kg)</b>	88
<b>Enhanced scanning resolution</b>	Up to 19,200 dpi
<b>Envelope Feeder</b>	No
<b>Finished output handling</b>	Sheetfed
<b>First copy out black (A4)</b>	As fast as 12.6 sec
<b>First copy out black (A4, sleep)</b>	As fast as 20 sec (15min)
<b>First copy out color (A4)</b>	As fast as 32.1 sec
<b>First copy out color (A4, sleep)</b>	As fast as 40 sec (15min)
<b>First page out black (A4, ready)</b>	As fast as 12.4 sec
<b>First page out black (A4, sleep)</b>	As fast as 13 sec (15 min)
<b>First page out color (A4, ready)</b>	As fast as 25.3 sec
<b>First page out color (A4, sleep)</b>	As fast as 26 sec (15 min)
<b>First page out footnote</b>	Measured using ISO/IEC 17629. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
<b>Input capacity</b>	Up to 150 sheets
<b>Levels of grayscale</b>	256
<b>Mac compatible</b>	Yes
<b>Maximum Memory</b>	128 MB
<b>Maximum dimensions (W x D x H)</b>	406 x 422.9 x 288.7 mm
<b>Maximum input capacity (sheets)</b>	Up to 150 sheets
<b>Maximum output capacity (sheets)</b>	Up to 50 sheets
<b>Maximum print area</b>	216 x 356 mm
<b>Media size, tray 1</b>	A4; A5; A6; B5 (JIS); Oficio 216 x 340; 76 x 148.5 to 216 x 356 mm
<b>Media sizes supported</b>	Tray1: A4; A5; A6; B5 (JIS); Oficio 216 x 340. Tray2: Not supported; Optional Automatic duplexer: Not supported
<b>Media sizes supported, key</b>	10 x 15 cm; A4
<b>Media sizes, custom</b>	76 x 148.5 to 216 x 356 mm
<b>Media type and capacity, tray 1</b>	Sheets (75 g/m <sup>2</sup> ): 150
<b>Media types</b>	Plain, Light, Heavy, Extra Heavy, Coloured, Preprinted, Recycle, Labels, Bond, Glossy
<b>Media weight (tray 1)</b>	60 to 220 g/m <sup>2</sup>
<b>Media weight, supported</b>	60 to 220 g/m <sup>2</sup>

<b>Memory</b>	128 MB
<b>Memory footnote</b>	Maximum Memory is 128 MB (Not extended)
<b>Minimum System Requirements</b>	Windows 10 or newer, Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher, 1 GB RAM, 16 GB HDD
<b>Minimum System Requirements for Macintosh</b>	OS X v10.11 or newer, 1.5 GB available hard disk space, Internet, USB
<b>Mobile printing capability footnote</b>	May require a firmware upgrade to be compatible, download at <a href="http://www.hp.com/go/support">http://www.hp.com/go/support</a> . <sup>[6]</sup>
<b>Model number</b>	178nw
<b>Native scan file format</b>	PDF; JPG; TIFF
<b>Number of users</b>	1-5 Users
<b>Operating humidity range</b>	10 to 80% RH (non-condensing)
<b>Operating temperature range</b>	10 to 30°C
<b>Output capacity</b>	Up to 50 sheets
<b>Package dimensions (W x D x H)</b>	501 x 466 x 398 mm
<b>Package weight</b>	16.08 kg
<b>Page yield footnote</b>	Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit <a href="http://www.hp.com/go/learnaboutsplies">http://www.hp.com/go/learnaboutsplies</a>
<b>Paper handling input, standard</b>	150 sheet input tray
<b>Paper handling output, standard</b>	50 sheet output bin
<b>Paper trays, maximum</b>	1
<b>Paper trays, standard</b>	1
<b>Photo (product photo, jpg, 70x100)</b>	Printers and Multifunction/hp-laserjet-m1319-mfp-series_70x100.jpg
<b>Power</b>	220-volt input voltage: 220 to 240 VAC, 50/60 Hz
<b>Print Cartridges/Bottle, Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Print Technology</b>	Laser
<b>Print colors</b>	Yes
<b>Print languages</b>	SPL
<b>Print quality black (normal)</b>	Up to 600 x 600 dpi
<b>Print resolution color (normal)</b>	Up to 600 x 600 dpi
<b>Print technology</b>	Laser
<b>Processor speed</b>	800 MHz
<b>Product long name specifications</b>	HP Color Laser MFP 100 Series Print: Up to 18 ppm black and 4 ppm colour; Up to 600 x 600 x 2 bit dpi; Up to 20,000 pages per month duty cycle; 128 MB RAM

<b>Product safety</b>	<a href="https://support.hp.com/gb-en/product/setup-user-guides/hp-color-laser-mfp-170-printer-series/model/24494366?sku=4ZB96A">https://support.hp.com/gb-en/product/setup-user-guides/hp-color-laser-mfp-170-printer-series/model/24494366?sku=4ZB96A</a> ; <a href="http://h10032.www1.hp.com/ctg/Manual/c06266695.pdf">http://h10032.www1.hp.com/ctg/Manual/c06266695.pdf</a> ; <a href="http://h10032.www1.hp.com/ctg/Manual/c06270941.pdf">http://h10032.www1.hp.com/ctg/Manual/c06270941.pdf</a>
<b>Product short name specifications</b>	HP Laser 178nw Wireless Multifunction Color Printer, Copier, Scanner; Duplex
<b>Production CO2e (kg)</b>	108
<b>Recommended monthly page volume</b>	100 to 500 <sup>[3]</sup>
<b>Recommended monthly page volume note</b>	HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
<b>Recommended monthly scan volume</b>	6250 to 10,500
<b>Recommended monthly scan volume note</b>	HP recommends that the number of scanned pages per month be within the stated range for optimum device performance
<b>Recommended operating humidity range</b>	20 to 70% RH (non-condensing)
<b>Recommended operating temperature range</b>	15 to 27°C
<b>Replacement cartridges footnote</b>	Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> .
<b>Resolution</b>	Up to 600 dpi
<b>Safety</b>	IEC 60950-1:2005+A1:2009+A2 2013 (International); EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 (EU); IEC/EN 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 /IEC 62749:2010; Low Voltage Directive 2006/95/EC with CE Mark (Europe); GS Certificate (Germany, Europe); Compliance with Laser safety standards 21 CFR 1002.10 and 1002.11 except for deviations pursuant to Laser notice No. 50, dated June 24, 2007; Other safety approvals as required by individual countries
<b>Scan resolution, hardware</b>	Up to 4,800 x 4,800 dpi
<b>Scan resolution, optical</b>	Up to 600 x 600 dpi (300 dpi for Mac OS)
<b>Scan size, maximum</b>	216 x 297 mm
<b>Security management</b>	Password-protected network embedded Web server; Enable/disable Network ports; SNMPv1 community password change; SNMPV2&V3; IPsec; Filtering : MAC, IPv4, IPv6
<b>Standard media sizes (duplex)</b>	Not supported duplex, but only supported manual duplex.
<b>Storage temperature range</b>	-20 to 40°C
<b>Target user and print volume</b>	For teams up to 5 users; Prints up to 500 pages/month
<b>Technology logo 2</b>	Publication logos/windows 10_logo_EMEA.jpg
<b>Technology logo 3</b>	Publication logos/USBhiColour.jpg

<b>Technology logo 4</b>	Publication logos/wireless direct.jpg
<b>Technology logo 5</b>	Publication logos/air print.jpg
<b>Technology logo 6</b>	Publication logos/Mopria logo TM new.jpg
<b>Top key features</b>	Scan to PDF
<b>Total CO2e (kg)</b>	220 <i>(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 &amp; ISO 14044. Individual values may not sum to total due to rounding.)</i>
<b>Transportation CO2e (kg)</b>	5
<b>Twain version</b>	Version 1.9
<b>Typical electricity consumption (TEC) footnote</b>	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.
<b>Typical electricity consumption (TEC) number</b>	0.876 kWh/Week (Blue Angel); 1.093 kWh/Week (Energy Star) <sup>[12]</sup>
<b>UNSPSC code</b>	43212110
<b>UPC number</b>	(ABT) 193015507203; (ABU) 198122709625; (ABY) 193015507210; (ACQ) 193015507241; (B13) 193905621613; (B19) 193015507258; (BAZ) 193015507265
<b>Warm-up time</b>	38 sec
<b>Waste electrical and electronic weight</b>	12.94 kg
<b>Web address for additional information</b>	<a href="http://www.hp.com/support/colorlaser170MFP">http://www.hp.com/support/colorlaser170MFP</a>
<b>What is in the box footnote</b>	Introductory cartridges included; Yields 500 colour composite (C/Y/M) and 700 black pages. Replacement cartridge average composite (C/Y/M) declared yield 700 and average black yield 1,000 pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> .

[3] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

[6] May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support>.

[8] Windows 7 or higher.

[10] Weight varies as per configuration.

[11] 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.

[12] 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.*

*[13] Introductory cartridges included; Yield: 500 colour composite (C/Y/M) and 700 black pages. Replacement cartridge average composite (C/Y/M) declared yield 700 and average black yield 1,000 pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.*

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## Ink/Toner/Paper/Printer Supplies

### HP Laser Toner Cartridges and Kits

★ : Recommended

#### HP Color Laser Toner Printer Cartridges

HP 117A Black Original Laser Toner Cartridge	W2070A
HP 117A Cyan Original Laser Toner Cartridge	W2071A
HP 117A Magenta Original Laser Toner Cartridge	W2073A
HP 117A Yellow Original Laser Toner Cartridge	W2072A
HP 120A Original Laser Imaging Drum	W1120A

#### HP Laser Printer Supply Kits

HP Laser Toner Collection Unit	5KZ38A
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### HP Paper for Multiple Uses

#### HP Multi-use Everyday Paper

HP Copy Paper 80 gsm-500 sht/A4/210 x 297 mm	CHP910
HP Home and Office Paper-500 sht/A4/210 x 297 mm	CHP150
HP Office Paper-2500 sht/A4/210 x 297 mm	CHP113
HP Office Paper-500 sht/A4/210 x 297 mm	CHP110

### HP Business Papers

#### HP Business Papers for laser

HP Enhanced Business Paper Glossy 150 g/m2 A4 (210 x 297 mm) 150 sheets	CG965A
HP Professional Business Paper Glossy 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV83A
HP Professional Business Paper Matte 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV80A

#### HP Business Papers for laser and inkjet

HP Professional Business Paper Glossy 180 g/m2 A4 (210 x 297 mm) 150 sheets	3VK91A
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## Services

### HP Care Pack Services

★ : Recommended

#### Imaging and Printing Consumer Care Pack Services

HP 3 year Return to Depot Service for Color Laser 15x and 17x MFP	UB4X6E
HP 4 year Return to Depot Service for Color Laser 15x and 17x MFP	UB4X7E

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