



HP Color Laser MFP 178nw (4ZB96A)



Overview

Color laser MFP performance at an affordable price

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

Legendary quality, surprisingly affordable price

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

Easy mobile printing and scanning with HP Smart app

Get simple setup, and print and scan from your phone, with HP Smart – best-in-class mobile print app.[2][9]

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 color

The right price

The power of your printer in the palm of your hand^[2]

Your device, your choice^[4]

Extend your printing reach^[5]

[1] Smallest in-class footprint compared only to dimensions of majority of worldwide competing personal color laser printers (defined as non-discontinued color laser printers <\$200 USD and color laser MFPs <\$300 USD); 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 183 square inches, for HP Color Laser 170 MFP series is 228.8 square inches. For details, see keypointintelligence.com/HPColorLaser.

[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®.

[9] Compared to majority of OEM mobile printing apps for inkjet & laser printers & all-in-ones for home & home office, priced less than or equal to \$429.99 USD. Market share as reported by IDC CYQ2 2018 Hardcopy Peripherals Tracker. Claim based on lab testing and research of printer manufacturer's mobile print apps and Keypoint Intelligence - Buyers Lab study commissioned by HP. See Sept 2018 report at www.keypointintelligence.com/HPSmartApp.

Specifications

Print Resolution Technologies	ReCP
Print quality black (best)	Up to 600 x 600 dpi
Print quality color (best)	Up to 600 x 600 dpi
Print speed black (ISO, A4)	Up to 18 ppm
Print speed black (ISO, letter)	Up to 19 ppm
Print Speed Color (ISO)	Up to 4 ppm
Print speed color (ISO)	Up to 4 ppm
Print speed	Print speed up to 19 ppm (black) and 4 ppm (color)
Bottom margin (A4)	5 mm
Left margin (A4)	5 mm
Right margin (A4)	5 mm
Top margin (A4)	5 mm
Functions	Print, copy, scan
Duplex printing	Manual (driver support provided)
Duty cycle (monthly, A4)	Up to 20,000 pages
Duty cycle (monthly, letter)	Up to 20,000 pages
Printer smart software features	Manual duplex and booklet print, N-up printing, skip blank pages, poster print, watermarks
Copier smart software features	Automatic adjusting background; Extended layout(2-up, 4-up, ID copy); expanded contrast adjustments (11 different settings);Scale from one paper size to another(Letter>A4, AutoFit)
Scanner advanced features	Scan to WSD (network support only);Book Scanning; Poster Stitching for multiple scan; Text Converting; Scan to E-Book; Existing File to E-Book
Energy savings feature technology	HP Auto-Off Technology
Replacement cartridges	HP 116A Original Laser Toner Cartridge (~1000/~700 pages) W2060A/W2061A/W2062A/W2063A (AMS); HP 117A Original Laser Toner Cartridge (~1000/~700 pages) W2070A/W2071A/W2072A/W2073A (EMEA); HP 118A Original Laser Toner Cartridge (~1000/~700 pages) W2080A/W2081A/W2082A/W2083A (China Only); HP 119A Original Laser Toner Cartridge (~1000/~700 pages) W2090A/W2091A/W2092A/W2093A (APJ excl China); Drum WW (less China) W1120A; Drum (China only) W1132A ^[6]
Connectivity, standard	Hi-speed USB 2.0 port, Fast Ethernet 10/100Base-Tx network port, Wireless 802.11 b/g/n
Connectivity, optional	None
Network capabilities	Via built-in 10/100 Base-TX networking
Wireless capability	Yes, built-in Wi-Fi 802.11 b/g/n

Mobile printing capability	HP Smart App; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Wi-Fi® Direct Printing; Google Cloud Print™
Network protocols, supported	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
Software included	Common Installer, V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program
Compatible Operating Systems	Windows 11; Windows 8; macOS 10.11 El Capitan; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave ^[14] (Windows 10 or higher)
Sustainable impact specifications	Mercury free
Energy star certified	No
Ecolabels	CECP ^[16]
Copy speed (black, normal quality, A4)	Up to 18 cpm
Copy speed (color, normal quality, A4)	Up to 4 cpm
Copy speed black (normal, letter)	Up to 18 cpm
Copy speed color (normal, letter)	Up to 4 cpm
Digital sending standard features	Scan to WSD; PC Scan
Scan speed (normal, A4)	Up to 15 ipm (b&w), up to 6 ipm (color)
Scan file format	PDF, JPG, TIFF
Scan input modes	Front-panel scan, copy, HP MFP scan software, user application via TWAIN or WIA
Scan technology	Contact Image Sensor (CIS)
Scanner type	Flatbed
Display area (imperial)	2.57 x 0.58 in
Display area (metric)	65.5 x 14.8 cm
Display	2-Line LCD
Dimensions (W x D x H)	406 x 363 x 288.7 mm (Dimensions vary as per configuration)
Dimensions (W x D x H)	15.98 x 14.29 x 11.37 in (Dimensions vary as per configuration)
Weight	12.94 kg ^[3] (Weight varies as per configuration)
Weight	28.53 lb (Weight varies as per configuration)
Power consumption	300 watts (Active Printing), 38 watts (Ready), 1.9 watts (Sleep), 0.2 watts (Manual off); 0.2 watts (Auto off/Manual on) ^[5]

Power supply type	Internal (Built-in) power supply
What's in the box	Preinstalled introductory HP Laser Printer 0.7K pages Black, 0.5K pages Cyan, Yellow, Magenta print cartridges; Imaging drum, Toner collection unit; Installation guide, Getting Started guide, User's Guide, Support flyer, Warranty guide; No CD-ROM; Power cord; USB cable (AP, only Wi-Fi model for AMS, EMEA) ^[1]
Manufacturer Warranty	One-year limited hardware warranty; For more info please visit us at https://support.hp.com

Additional specifications

Acoustic power emissions (active scan)	6.2 B(A) (Scanning at 18 ipm with ADF only)
Acoustic power emissions (active, printing)	6.5 B(A) (printing at 18 ppm with Mono mode); 6.1 B(A) (printing at 4 ppm with Color mode)
Automatic paper sensor	No
Bit depth	8-bit (mono); 24-bit (color)
Cable included	Yes, 1 USB
Cartons per layer	4
Certifications and compliances	UL listed, CSA (Canada), CE Marking, Nemko, Fimko, Demko, Semko, Eastern European
Color or black	Color
Color scanning	Yes
Compatible Network Operating Systems	Windows 11; Windows 8; macOS 10.11 El Capitan; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave
Connection type	Wireless
Control panel	2-Line LCD; 13 Buttons(Power, Cancel, Start(Mono/Color), Navigation(Menu, OK, Back, Left, Right), ID_Copy, Contrast, Scan to, Wireless); LED indicator lights(Power, Status, Wireless)
Copier settings	Copies; Original Size; Reduce/Enlarge; Darkness; Original Type; Collation; 2-Up; 4-Up; ID Copy; Adjust Background; Auto Fit Copy; Color Mode
Copies, maximum	Up to 999 copies
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi (flatbed); Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi (flatbed); Up to 600 x 600 dpi
Count of layers in pallet	6
Country of origin	Made in China (178nw and cartridges)(#AB0); (#AB2); (#ACJ); (#BBU); (#BGM); (#BGJ); (#ABT); (#ABY); (#ACQ); (#B19); (#BAZ)
Downloadable software	V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program, HP LJ PC-FAX (Only for 4-in-1 model)
Driver updates	Latest supported operating systems and print drivers available at https://support.hp.com
Duty cycle note	Duty cycle is defined as the maximum number of pages per month of imaged output.
Dynamic security	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 ANSI C63.4-2009, ICES-003 Issue 5, KN32, KN35, GB/T 9254-2008, GB17625.1-2012, CISPR22: 2008, CISPR32: 2012, CNS 13438 (Other EMC approvals as required by individual countries.)

Enhanced scanning resolution	Up to 19,200 dpi
Envelope Feeder	No
FCC Class A emissions	FCC Class A emissions - for use in commercial environments, not residential environments
Finished output handling	Sheetfed
First copy out black (A4)	As fast as 12.6 sec
First copy out black (A4, sleep)	As fast as 20 sec (15min)
First copy out black (letter)	As fast as 12.6 sec
First copy out black (letter, sleep)	As fast as 20 sec (15min)
First copy out color (A4)	As fast as 32.1 sec
First copy out color (A4, sleep)	As fast as 40 sec (15min)
First copy out color (letter)	As fast as 32.1 sec
First copy out color (letter, sleep)	As fast as 40 sec (15min)
First page out black (A4, ready)	As fast as 12.4 sec
First page out black (A4, sleep)	As fast as 13 sec (15 min)
First page out black (letter, ready)	As fast as 12.4 sec
First page out black (letter, sleep)	As fast as 13 sec (15 min)
First page out color (A4, ready)	As fast as 25.3 sec
First page out color (A4, sleep)	As fast as 26 sec (15 min)
First page out color (letter, ready)	As fast as 25.3 sec
First page out color (letter, sleep)	As fast as 26 sec (15 min)
First page out footnote	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.
Input capacity	Up to 150 sheets
Levels of grayscale	256
Mac compatible	Yes
Maximum Memory	128 MB
Maximum dimensions (W x D x H)	15.98 x 16.65 x 11.37 in
Maximum dimensions (W x D x H)	406 x 422.9 x 288.7 mm
Maximum input capacity (sheets)	Up to 150 sheets
Maximum output capacity (sheets)	Up to 50 sheets
Maximum print area	216 x 356 mm
Media size, tray 1	A4; A5; A6; B5 (JIS); Oficio 216 x 340, 76 x 148.5 to 216 x 356 mm
Media sizes supported	Tray1: A4; A5; A6; B5 (JIS); Oficio 216 x 340. Tray2: Not supported; Optional Automatic duplexer: Not supported

Media sizes supported	Tray 1: Letter, Legal, Executive, Oficio 8.5 x 13, 4 x 6. Tray 2: Not supported; Optional Automatic Duplexer: Not Supported
Media sizes supported, key	4 x 6 in; Letter; Legal
Media sizes supported, key	10 x 15 cm; A4
Media sizes, custom	76 x 148.5 to 216 x 356 mm
Media sizes, custom	3 x 5.85 to 8.5 x 14 in
Media type and capacity, tray 1	Sheets (75 g/m ²): 150
Media types	Plain, Light, Heavy, Extra Heavy, Colored, Preprinted, Recycle, Labels, Bond, Glossy
Media weight (tray 1)	60 to 220 g/m ²
Media weight, supported	16 to 59 lb
Media weight, supported	60 to 220 g/m ²
Memory	128 MB
Memory footnote	Maximum Memory is 128 MB(Not Extended)
Minimum System Requirements	Windows 10 or newer, Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher, 1 GB RAM, 16 GB HDD
Minimum System Requirements for Macintosh	OS X v10.11 or newer, 1.5 GB HD, Internet, USB
Mobile printing capability footnote	May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support ^[8]
Model number	178nw
Native scan file format	PDF; JPG; TIFF
Number of users	1-5 Users
Operating humidity range	10 to 80% RH (non-condensing)
Operating temperature range	50 to 86°F
Operating temperature range	10 to 30°C
Orderable supplies	HP 120A Original Laser Imaging Drum for WW W1120A, HP 132A Original Laser Imaging Drum for China W1132A, HP Laser Toner Collection Unit for WW 5KZ38A, HP Laser Toner Collection Unit for China 5LX86A
Output capacity	Up to 50 sheets
Package dimensions (W x D x H)	19.7 x 18.3 x 15.6 in
Package dimensions (W x D x H)	501 x 466 x 398 mm
Package weight	35.45 lb
Package weight	16.08 kg
Page yield footnote	Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit http://www.hp.com/go/learnaboutsupplies
Pallet dimensions	39.9 x 37.1 x 94.1 in
Pallet dimensions (W x D x H)	1014 x 944 x 2390 mm

Pallet weight	870 lb
Pallet weight	395 kg
Paper handling input, standard	150-sheet input tray
Paper handling output, standard	50-sheet output bin
Paper trays, maximum	1
Paper trays, standard	1
Power	110-volt input voltage: 110 to 127 VAC, 50/60 Hz and 220-volt input voltage: 220 to 240 VAC, 50/60 Hz
Print Cartridges/Bottle, Number	4 (1 each black, cyan, magenta, yellow)
Print Technology	Laser
Print colors	Yes
Print languages	SPL
Print quality black (normal)	Up to 600 x 600 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print technology	Laser
Processor speed	800 MHz
Product long name specifications	HP Color Laser MFP 178nw, Color Printer for Small Office, Print, copy, scan, Print from mobile device
Product short name specifications	HP Laser 178nw Wireless Multifunction Color Printer, Copier, Scanner; Duplex
Quantity per pallet	24
RMN number	SEOLA-1801-03
Recommended monthly page volume	100 to 500 ^[15]
Recommended monthly page volume note	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.
Recommended monthly scan volume	6250 to 10,500
Recommended monthly scan volume note	HP recommends that the number of scanned pages per month be within the stated range for optimum device performance
Recommended operating humidity range	20 to 70% RH (non-condensing)
Recommended operating temperature range	15 to 27°C
Recommended operating temperature range	59 to 80.6°F
Replacement cartridges footnote	Average color 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 http://www.hp.com/go/learnaboutsplies .

Resolution	Up to 600 dpi
Safety	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); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 2nd Ed. 2014-10; 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
Scan resolution, hardware	Up to 4,800 x 4,800 dpi
Scan resolution, optical	Up to 600 x 600 dpi (300 dpi for Mac OS)
Scan size, maximum	8.5 x 11.7 in
Scan size, maximum	216 x 297 mm
Scan speed duplex (normal, A4)	Up to 15 ipm (b&w), up to 6 ipm (color)
Security management	Password-protected network embedded Web server; enable/disable Network ports; SNMPv1 community password change; SNMPV2&V3; IPsec; Filtering : MAC, IPv4, IPv6
Standard media sizes (duplex)	Not supported duplex, but only supported manual duplex.
Standard media sizes (duplex, imperial)	Not supported duplex, but only supported manual duplex.
Storage temperature range	-4 to 104°F
Storage temperature range	-20 to 40°C
Target user and print volume	For teams up to 5 users; Prints up to 500 pages/month
Tariff numbers	8443310000; 8443310000; 84433131
Telecom compliance (fax capability)	EBR21, FCC Part 68
Top key features	Scan to PDF
Twain version	Version 1.9
Typical electricity consumption (TEC) footnote	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.
UNSPSC code	43212110
UPC number	(AB0) 193015507180; (AB2) 193015507197; (ABT) 193015507203; (ABU) 198122709625; (ABY) 193015507210; (ACJ) 193015507234; (ACQ) 193015507241; (B13) 193905621613; (B19) 193015507258; (BAZ) 193015507265; (BBU) 193015507272; (BGJ) 193015507289; (BGM) 193424051830
Warm-up time	38 sec
Waste electrical and electronic weight	12.94 kg
Web address for additional information	http://www.hp.com/support/colorlaser170MFP

What is in the box footnote

Introductory cartridges included; yields 500 color composite (C/Y/M) and 700 black pages. Replacement cartridge average composite (C/Y/M) declared yield 700 and average black yield 1000 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>.

[1] Introductory cartridges included; yields 500 color composite (C/Y/M) and 700 black pages. Replacement cartridge average composite (C/Y/M) declared yield 700 and average black yield 1000 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>.

[3] Weight varies as per configuration

[5] 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.

[6] Average color 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 <http://www.hp.com/go/learnaboutsupplies>.

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

[14] Windows 7 or higher

[15] 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.

[16] FCC Class A emissions - for use in commercial environments, not residential environments

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Color Laser Toner Printer Cartridges

HP 116A Black Original Laser Toner Cartridge	W2060A
HP 116A Cyan Original Laser Toner Cartridge	W2061A
HP 116A Magenta Original Laser Toner Cartridge	W2063A
HP 116A Yellow Original Laser Toner Cartridge	W2062A
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 118A Black Original Laser Toner Cartridge	W2080A
HP 118A Cyan Original Laser Toner Cartridge	W2081A
HP 118A Magenta Original Laser Toner Cartridge	W2083A
HP 118A Yellow Original Laser Toner Cartridge	W2082A
HP 119A Black Original Laser Toner Cartridge	W2090A
HP 119A Cyan Original Laser Toner Cartridge	W2091A
HP 119A Magenta Original Laser Toner Cartridge	W2093A
HP 119A Yellow Original Laser Toner Cartridge	W2092A
HP 120A Original Laser Imaging Drum	W1120A
HP 132A Original Laser Imaging Drum	W1132A

HP Laser Printer Supply Kits

HP Laser Toner Collection Unit	5KZ38A
--------------------------------	--------

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 Everyday Business Paper, Glossy, 32 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN08A
HP Professional Business Paper Glossy 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV83A
HP Professional Business Paper Glossy 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN10A

HP Professional Business Paper Matte 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV80A
HP Professional Business Paper Matte 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN05A

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

HP Paper for Multiple Uses

HP Recycled Paper

HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN07A
HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN11A
HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	7MV81A
HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	7MV82A

HP Paper Designed for Inkjet Printers

HP Inkjet Photo Paper

HP Professional Business Paper, Glossy, 48 lb, 8.5 x 11 in. (216 x 279 mm), 50 sheets	6MF93A
---	--------

Disclaimer — Copyright

© Copyright 2025 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (ww-en) – Feb 18, 2025 7:28 AM UTC+0000