HP Color Laser MFP 178nw





Brand : HP **Product family:** Color Laser **Product code:** 4ZB96A#B19

Product name : Color Laser MFP 178nw

- Scan to PDF
- Print, copy, scan
- Print speed up to 19 ppm (black) and 4 ppm (colour)
- Up to 600 x 600 dpi 4 bits

Color Laser MFP 178nw

HP Color Laser MFP 178nw:

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

Dynamic security enabled printer Certain HP printers are intended to work only with cartridges that have a new or reused HP chip or electronic circuitry. These printers use dynamic security measures to block cartridges using a non-HP chip or electronic circuitry. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. Reused HP chips and electronic circuitry enable the use of reused, remanufactured, and refilled cartridges.



Printing	
Duplex printing mode	Manual
Print resolution colour	600 x 600 DPI
Print resolution black	600 x 600 DPI
Print technology *	Laser
Printing *	Colour printing
Duplex printing *	✔
Maximum resolution *	600 x 600 DPI
Print speed (black, normal quality, A4/US Letter) *	18 ppm
Print speed (colour, normal quality, A4/US Letter)	4 ppm
Warm-up time	38 s
Time to first page (black, normal)	12.4 s
Time to first page (colour, normal)	25.3 s
Print margins (top, bottom, right, left)	5 mm
N-in-1 print function	✔
Watermark printing	✔
Secure printing	✔
Booklet printing function	✔
Poster printing function	✔

Copying	
Duplex copying *	✔
Copying *	Colour copying
Maximum copy resolution *	600 x 600 DPI
Copy speed (black, normal quality, A4)	14 cpm
Copy speed (colour, normal quality, A4)	4 cpm
Time to first copy (black, normal)	12.6 s
Time to first copy (colour, normal)	32.1 s
Maximum number of copies	999 copies
Copier resize	25 - 400%

Design	
Market positioning *	Home & office
Built-in display *	✔
Display	LCD
Display number of lines	2 lines
Control type	Buttons

Power	
Power consumption (PowerSave)	0.2 W
Power consumption (printing)	300 W
Power consumption (ready)	38 W
Power consumption (sleep)	1.9 W
Power consumption (off)	0.2 W
Energy Star Typical Electricity Consumption (TEC)	0.876 kWh/week
AC input voltage	220 - 240 V
AC input frequency	50/60 Hz

Brand-specific features	
HP Auto-On/Auto-Off	✔
HP Dynamic security	✔
HP Security tools	Password-protected network embedded Web server; Enable/disable Network ports; SNMPv1 community password change; SNMPV2&V3; IPSec; Filtering : MAC, IPv4, IPv6
HP GTIN (EAN/UPC) with options	(ABT) 193015507203; (ABY) 193015507210; (ACQ) 193015507241; (B13) 193905621613; (B19) 193015507258; (BAZ) 193015507265
HP GTIN (EAN/UPC)	193015507203, 193015507210, 193015507241, 193905621613, 193015507258, 193015507265

Copying	
N-in-1 copy function	✔
N-in-1 copy function (N=)	4, 2
ID-card copy function	✔
Background adjustment function	✔
Auto fit function	✔

Scanning	
Scanning *	Colour scanning
Optical scanning resolution *	600 x 600 DPI
Maximum scan resolution	19200 x 19200 DPI
Maximum scan area	216 x 297 mm
Scanner type *	Flatbed scanner
Scan technology	CIS
Scan to	Software, TWAIN, WIA
Image formats supported	JPG, TIFF
Document formats supported	PDF
Input colour depth	24 bit
Greyscale levels	256
Scan drivers	TWAIN, WIA
TWAIN version	1.9

Fax	
Faxing *	✘

Features	
Recommended duty cycle	100 - 500 pages per month
Maximum duty cycle *	20000 pages per month
Duplex functions *	Scan
Digital sender	✔
Number of print cartridges *	4
Printing colours *	Black, Cyan, Magenta, Yellow
Page description languages	SPL
All-In-One-multitasking	✔
Country of origin	China
Replacement cartridges	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
HP segment	Home office

Input & output capacity	
Total number of input trays *	1
Total input capacity *	150 sheets
Total output capacity *	50 sheets
Paper tray 1 input capacity	150 sheets
Paper input type	Paper tray
Maximum number of input trays	1
Maximum input capacity	150 sheets
Maximum output capacity	50 sheets

Paper handling	
Maximum ISO A-series paper size *	A4
Maximum print size	216 x 356 mm
Paper tray media types *	Plain paper, Glossy paper, Bond paper, Recycled paper, Labels, Heavy paper, Lightweight paper
ISO A-series sizes (A0...A9) *	A4, A5, A6
Non-ISO print media sizes	Oficio
JIS B-series sizes (B0...B9)	B5
Custom media width	76 - 216 mm

System requirements	
Windows operating systems supported	Windows 8, Windows 11
Mac operating systems supported	Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, MacOS
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2016

Operational conditions	
Operating relative humidity (H-H)	10 - 80%
Recommended operating temperature range (T-T)	15 - 27 °C
Storage temperature (T-T)	-20 - 40 °C
Operating temperature (T-T)	10 - 30 °C

Certificates	
Certification	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, CISPR22:2008, CISPR32:2012, CNS 13438 (Other EMC approvals as required by individual countries.)

Sustainability	
Sustainable technologies and materials	Mercury free
Doesn't contain	Mercury

Carbon footprint	
Total carbon footprint (kg of CO2e)	180
Carbon emissions, manufacturing (kg of CO2e)	108
Carbon emissions, logistics (kg of CO2e)	5
Carbon emissions, end-of-life (kg of CO2e)	19
Total carbon emissions, w/o use phase (kg of CO2e)	44

Weight & dimensions	
Width	406 mm
Depth	363 mm
Height	288.7 mm
Weight	12.9 kg

Packaging data	
Package width	501 mm
Package depth	466 mm
Package height	398 mm
Package weight	16.1 kg

Packaging content	
Cartridge(s) included	✔
Included cartridge capacity (black)	700 pages
Included cartridge capacity (CMY)	500 pages
Cables included	AC
Manual	✔
Power cord included	✔
Warranty card	✔
Quick installation guide	✔
User guide	✔
Bundled software	Common Installer, V3 Print Driver with Lite SM, TWAIN/WIA Driver, HP MFP Scan, OCR program

Paper handling

Custom media length	148.5 - 356 mm
Paper tray media weight	60 - 220 g/m²
Envelope feeder	No

Ports & interfaces

Standard interfaces	USB 2.0
Direct printing *	✔
USB port	✔

Network

Wi-Fi *	✔
Ethernet LAN *	✔
Cabling technology	10/100Base-T(X)
Ethernet LAN data rates	10,100 Mbit/s
Wi-Fi standards	Wi-Fi 4 (802.11n), 802.11g, 802.11b
Wi-Fi Direct	✔
Security algorithms	SNMPv2, SNMP, IPSec
Mobile printing technologies	Mopria Print Service, Apple AirPrint, Google Cloud Print

Performance

Maximum internal memory	128 MB
Internal memory *	128 MB
Built-in processor	✔
Processor frequency	800 MHz
Sound power level (printing)	6.5 dB

Design

Product colour *	Grey, White

Logistics data

Harmonized System (HS) code	84433100
Pallet gross weight	395 kg
Master (outer) cases per pallet	24 pc(s)
Layers per pallet	6 pc(s)
Products per pallet	24 pc(s)

Technical details

Box contents	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
Master (outer) cases per pallet layer	4 pc(s)
Compliance certificates	CECP, CE
General Product Safety Regulation (GPSR) URL	https://support.hp.com/gb-en/product/setup-user-guides/hp-color-laser-mfp-170-printer-series/model/24494366?sku=4ZB96A ; http://h10032.www1.hp.com/ctg/Manual/c06266695.pdf ; http://h10032.www1.hp.com/ctg/Manual/c06270941.pdf

Other features

Number of users	5 user(s)
Custom media sizes	76 x 148.5 to 216 x 356 mm
Pallet dimensions (W x D x H)	1014 x 944 x 2390 mm
Power supply type	Internal (Built-in) power supply
Recommended 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. OS X v10.11 or newer; 1.5 GB available hard disk space; Internet; USB.
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
Typical electricity consumption (TEC) number	0.876 kWh/Week (Blue Angel); 1.093 kWh/Week (Energy Star)
UNSPSC-code	43212110
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, CISPR22:2008, CISPR32:2012, CNS 13438 (Other EMC approvals as required by individual countries.)



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