



# HP DeskJet 2810 All-in-One Printer (51P96B)

## Overview



**The leader for simple, stress-free printing.[1]**

Effortlessly print, scan, and copy with this compact, wireless home printer paired with the best and easiest-to-use print app. From return labels to your favorite recipes, enjoy a seamless experience from the World's #1 Printer Company.[2,3]

### **Simple setup with the easiest-to-use print app**

Get started fast by following simple steps on the best and easiest-to-use print app.[2]

### **Rely on high-quality prints every time**

From school projects to personal documents, get high-quality printing that can handle your needs.

### **Stay connected with our most reliable Wi-Fi®[4]**

Be always ready to print with our most reliable Wi-Fi® that automatically reconnects if connection is lost.[4]

### **Driving innovation with 60% recycled plastic[5]**

Choose printers made with at least 60% recycled plastic.[5]

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[1] Based on 2023 CYQ1 shipments in the IDC Worldwide Quarterly Hardcopy Peripherals Tracker®, 2023 CYQ1 Release. Includes shipments of all HP Deskjet in-class printers.

[2] Compared to OEM printing apps for the majority of top-selling, network-capable inkjet/laser printers and all-in-ones for the home and office, priced ≤\$450 USD. Printers selected by market share as reported by IDC Quarterly Hardcopy Peripherals Tracker – Final Historical CYQ1 2023. Claim based on research of printer manufacturer's print apps and Keypoint Intelligence hands-on testing and study commissioned by HP, July 2023. For details, please see: [keypointintelligence.com/HPSmartapp](https://keypointintelligence.com/HPSmartapp). Requires HP app download available at [www.hp.com/go/mobileprinting](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 [www.hpsmart.com](https://www.hpsmart.com).

[3] Based on 2022 Q4 shipments in the IDC Worldwide Quarterly Hardcopy Peripherals Tracker®, 2022 Q4 Release. Includes shipments of all printing devices (inkjet printers, laser printers, copiers and multifunction devices, including production units).

[4] HP Deskjet 2800 Printer Series has self-healing Wi-Fi, HP's best and most reliable wireless technology. Internet access required and must be purchased separately. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [www.hp.com/go/mobileprinting](https://www.hp.com/go/mobileprinting).

*[5] Percentage of recycled plastic is calculated by plastic total weight.*

## Specifications

<b>Print quality black (best)</b>	Up to 1200 x 1200 rendered dpi
<b>Print quality color (best)</b>	Up to 4800 x 1200 optimized dpi color (when printing from a computer on selected HP photo papers and 1200 input dpi)
<b>Print speed black (ISO, A4)</b>	Up to 7.5 ppm
<b>Print Speed Color (ISO)</b>	Up to 5.5 ppm
<b>Print speed</b>	Print speed up to 7.5 ppm (black) and 5.5 ppm (color)
<b>Bottom margin (A4)</b>	12.7 mm
<b>Left margin (A4)</b>	3 mm
<b>Right margin (A4)</b>	3 mm
<b>Top margin (A4)</b>	3 mm
<b>Functions</b>	Print, copy, scan
<b>Duplex printing</b>	Manual (driver support provided)
<b>Duty cycle (monthly, A4)</b>	Up to 1000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 1,000 pages
<b>Replacement cartridges</b>	HP 305 Black Original Ink Cartridge (~120 pages yield) 3YM61AE; HP 305XL Black High-Yield Original Ink Cartridge (~240 pages yield) 3YM62AE; HP 305 Tri-Color Original Ink Cartridge (~100 pages yield) 3YM60AE; HP 305XL Tri-Color High-Yield Original Ink Cartridge (~200 pages yield) 3YM63AE. Actual yield varies considerably based on content of printed pages and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> <sup>[4]</sup>
<b>Supplies feature</b>	HP Instant Ink eligible
<b>Connectivity, standard</b>	1 Hi-Speed USB 2.0 (device); 1 Wi-Fi 802.11b/g/n
<b>Network capabilities</b>	Wi-Fi 802.11b/g/n, 2.4 GHz single-band only
<b>Wireless capability</b>	Yes, built-in Wi-Fi 802.11b/g/n, 2.4 GHz single-band only
<b>Mobile printing capability</b>	HP app; Chrome OS; Apple AirPrint
<b>Software included</b>	HP Printer Software, available online
<b>Compatible Operating Systems</b>	Windows 11; Windows 10; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; Chrome OS; macOS 14 Sonoma
<b>Sustainable impact specifications</b>	60% post-consumer recycled plastic
<b>Digital sending standard features</b>	No
<b>Faxing</b>	No
<b>Scan file format</b>	JPEG, TIFF, PDF, BMP, PNG
<b>Scan input modes</b>	Front panel Copy buttons; HP Smart software
<b>Scan technology</b>	Contact Image Sensor (CIS)
<b>Scanner type</b>	Flatbed

<b>Display</b>	Icon LCD display
<b>Dimensions (W x D x H)</b>	425 x 304 x 154 mm <i>(Dimensions vary as per configuration)</i>
<b>Dimensions (W x D x H)</b>	16.7 x 11.97 x 6.06 in
<b>Weight</b>	3.42 kg <i>(Weight varies as per configuration)</i>
<b>Weight</b>	7.55 lb <i>(Weight varies as per configuration)</i>
<b>Power consumption</b>	2.8 W (ready), 1.4 W (sleep), 0.3 W (auto-off), 0.3 W (off). <sup>[2]</sup> <i>(Power requirements and consumption 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.)</i>
<b>Power supply type</b>	Internal
<b>What's in the box</b>	HP DeskJet 2810 All-in-One Printer; HP 305 Setup Black Cartridge; HP 305 Setup Tri-color Cartridge; Regulatory flyer; Setup guide; Reference guide; Power cord; For ink volume and page yield information, visit <a href="http://hp.com/go/learnaboutsupplies">http://hp.com/go/learnaboutsupplies</a> <sup>[7]</sup>
<b>Manufacturer Warranty</b>	One-year limited warranty. For more info please visit us at <a href="http://support.hp.com">http://support.hp.com</a> .For full terms and conditions visit: <a href="http://www.hp.com/go/orderdocuments">www.hp.com/go/orderdocuments</a> .Warranty and support options vary by product, country, and local legal requirements

## Additional specifications

<b>Accessories</b>	None
<b>Acoustic power emissions (active, printing)</b>	6.1 B(A)
<b>Acoustic pressure emissions</b>	54 dB(A)
<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 document feeder capacity</b>	No
<b>Automatic paper sensor</b>	No
<b>Bit depth</b>	24-bit
<b>Borderless printing</b>	No
<b>Cable included</b>	No, please purchase USB cable separately
<b>Camera phone supported</b>	No
<b>Cartons per layer</b>	12
<b>Color copy capability</b>	Yes
<b>Color or black</b>	Color
<b>Color scanning</b>	Yes
<b>Compatible Network Operating Systems</b>	macOS 14 Sonoma; Windows 11; Windows 10; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; macOS 13 Ventura; Chrome OS
<b>Compliance alliances</b>	None
<b>Connection type</b>	Wireless
<b>Control panel</b>	Icon LCD display, 7 buttons (Power, Cancel, Resume, Wi-Fi, Info, Color Copy & Black Copy) 5 LED indicator light (Power, Ink, Resume, Wi-Fi & Info)
<b>Copier settings</b>	Auto-enlarge
<b>Copies, maximum</b>	Up to 6 copies
<b>Copy resolution (black graphics)</b>	Up to 300 x 300 dpi
<b>Copy resolution (black text)</b>	Up to 300 x 300 dpi
<b>Copy resolution (color text and graphics)</b>	Up to 300 x 300 dpi
<b>Copy speed black (ISO)</b>	Up to 6 cpm
<b>Copy speed color (ISO)</b>	Up to 3 cpm
<b>Count of layers in pallet</b>	6
<b>Country of origin</b>	Made in China

<b>Datasheet photo 1</b>	Publication photos/Tassel_HP DeskJet 2810 All-in-One Printer_51P96B_Front.jpg
<b>Datasheet photo 2</b>	Publication photos/Tassel_HP DeskJet 2810 All-in-One Printer_51P96B_sideview.jpg
<b>Dimensions with trays up (W x D x H)</b>	425.2 x 546.6 x 250 mm
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Electromagnetic compatibility</b>	EN 55032:2015+A11:2020 CLASS B, IEC 61000-4-2:2008, IEC 61000-4-2:2008, IEC 61000-4-3:2020, IEC 61000-4-4:2012, IEC 61000-4-5:2014+A1:2017, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004+A1:2017, EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4, FCC CFR 47 PART 15, ICES-003, ISSUE 7
<b>Envelope Feeder</b>	No
<b>Fax phone TAM interface supported</b>	No
<b>Finished output handling</b>	Sheetfed
<b>First page out black (A4, ready)</b>	As fast as 13 sec
<b>First page out color (A4, ready)</b>	As fast as 16 sec
<b>Geographic availability</b>	EMEA
<b>Ink types</b>	Pigment-based (black); Dye-based (color)
<b>Input capacity</b>	Up to 60 sheets
<b>Internal Storage</b>	No
<b>Levels of grayscale</b>	256
<b>Mac compatible</b>	Yes
<b>Maximum Input Capacity (envelopes)</b>	Up to 5 envelopes
<b>Maximum Memory</b>	64 MB DDR1; 24 MB Flash
<b>Maximum dimensions (W x D x H)</b>	16.7 x 21.5 x 9.8 inch (Output Extension fully out)
<b>Maximum dimensions (W x D x H)</b>	425 x 546 x 250 mm (Output Extension fully out)
<b>Maximum input capacity (10x15cm photos)</b>	Up to 20 sheets
<b>Maximum input capacity (4x6 photo)</b>	Up to 20 sheets
<b>Maximum input capacity (cards)</b>	Up to 20 cards
<b>Maximum input capacity (labels)</b>	Up to 10 sheets
<b>Maximum input capacity (photo paper)</b>	Up to 20 sheets
<b>Maximum input capacity (sheets)</b>	Up to 60 sheets
<b>Maximum output capacity (cards)</b>	Up to 20 cards
<b>Maximum output capacity (envelopes)</b>	Up to 5 envelopes

<b>Maximum output capacity (labels)</b>	Up to 10 sheets
<b>Maximum output capacity (photo paper)</b>	Up to 20 sheets
<b>Maximum output capacity (sheets)</b>	Up to 25 sheets
<b>Maximum print area</b>	209.9 x 349.6 mm
<b>Media sizes supported</b>	Letter; legal; 4 x 6 in; 5 x 7 in; 8 x 10 in; No. 10 envelopes
<b>Media sizes supported</b>	A4; B5; A6; DL envelope
<b>Media sizes supported, key</b>	4 x 6 in; Letter; Legal; Envelopes
<b>Media sizes supported, key</b>	10 x 15 cm; A4; Envelopes
<b>Media sizes, custom</b>	76 x 127 to 215 x 355 mm
<b>Media sizes, custom</b>	3 x 5 to 8.5 x 14 in
<b>Media types</b>	Plain paper, photo paper, brochure paper, envelopes and other specialty inkjet papers
<b>Media weight, recommended</b>	75 g/m <sup>2</sup>
<b>Media weight, recommended</b>	20 lb
<b>Media weight, supported</b>	Letter: 16 to 32 lb; HP envelopes: 20 to 24 lb; HP cards: up to 110 lb; HP 4 x 6 inch photo paper: up to 145 lb
<b>Media weight, supported</b>	A4: 60 to 90 g/m <sup>2</sup> ; HP envelopes: 75 to 90 g/m <sup>2</sup> ; HP cards: up to 200 g/m <sup>2</sup> ; HP 10 x 15 cm photo paper: up to 300 g/m <sup>2</sup>
<b>Memory</b>	64 MB DDR1
<b>Memory Slots</b>	None
<b>Minimum System Requirements</b>	Windows 10, 11, : 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, Internet connection, Internet Explorer.
<b>Minimum System Requirements for Macintosh</b>	macOS V10.14 Mojave, macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey, macOS 13 Ventura; 2 GB HD; Internet required
<b>Model number</b>	2810
<b>Multitasking supported</b>	No
<b>Non-Operating Humidity Range</b>	5 to 90% RH (non-condensing)
<b>Number of users</b>	1-3 Users
<b>Operating altitude</b>	Up to 10,000 ft
<b>Operating altitude</b>	Up to 3,000 m
<b>Operating humidity range</b>	15 to 80% RH (non-condensing)
<b>Operating temperature range</b>	41 to 104°F
<b>Operating temperature range</b>	5 to 40°C
<b>Orderable supplies</b>	HP 305 Black Original Ink Cartridge 3YM61A; HP 305XL Black High-Yield Original Ink Cartridge 3YM62A; HP 305 Tri-Color Original Ink Cartridge 3YM60A; HP 305XL Tri-Color High-Yield Original Ink Cartridge 3YM63A
<b>Output capacity</b>	Up to 25 sheets
<b>Package dimensions (W x D x H)</b>	18.70 x 7.52 x 13.94 in

<b>Package dimensions (W x D x H)</b>	475 x 191 x 354 mm
<b>Package weight</b>	4.58 kg
<b>Package weight</b>	10.10 lb
<b>Page yield (set-up/inbox cartridges)</b>	~100 pages black, ~50 pages tri-color
<b>Pallet dimensions</b>	47 x 39.37 x 89.02 in
<b>Pallet dimensions (W x D x H)</b>	1200 x 1000 x 2261 mm
<b>Pallet weight</b>	325 kg
<b>Pallet weight</b>	773 lb NA, EMEA, LAR; 652 lb AP except Japan; 241 lb JAPAN
<b>Paper handling input, standard</b>	60-sheet input tray
<b>Paper handling output, standard</b>	25-sheet output tray
<b>Paper trays, maximum</b>	1
<b>Paper trays, standard</b>	1
<b>Photo (product photo, jpg, 70x100)</b>	Printers and Multifunction/CD028B_70x100.jpg
<b>Photo proofsheets supported</b>	No
<b>Power</b>	Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) 350mA. India input voltage: 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) 350mA.
<b>Print Cartridge/Bottle, Color(s)</b>	Black; Cyan; Magenta; Yellow
<b>Print Cartridges/Bottle, Number</b>	2 (1 each black, tri-color)
<b>Print Technology</b>	Ink
<b>Print colors</b>	Yes
<b>Print colors maximum</b>	4
<b>Print head nozzles</b>	328 (black), 588 (color)
<b>Print heads</b>	2 (1 each black, tri-color)
<b>Print languages</b>	HP PCL 3 GUI; HP PCLm (HP Apps/UPD); URF (AirPrint)
<b>Print speed black (ISO)</b>	Up to 7.5 ppm
<b>Print speed black (draft, A4)</b>	Up to 20 ppm
<b>Print speed color (ISO)</b>	Up to 5.5 ppm
<b>Print speed color (draft, A4)</b>	Up to 16 ppm
<b>Print speed color (normal, 10x15 photo)</b>	As fast as 65 sec
<b>Print speed color (normal, 4x6 photo)</b>	As fast as 65 sec
<b>Print technology</b>	HP Thermal Inkjet
<b>Printer drivers included</b>	HP PCL 3 GUI
<b>Processor speed</b>	1.0 GHz
<b>Product color</b>	White



<b>Product logos</b>	High speed USB, Works with Microsoft Vista; Windows 7; Windows 10; Mac Simley, Mac Universal; Chromebook Certified, Mopria, Wi-Fi Certified, Bluetooth, Airprint, ColorLock, Instant Ink (for countries that apply), WeChat (for countries that apply), Energy Star (For countries that apply), Recycle, Fragile, keep out of rain, this side up, PAP20 (for countries that apply), HP Total Care, Smart Way (for countries that apply), Stack height (NA:6, EMEA 6, AP 5), CE (for countries that apply), Green Dot (for countries that apply), Tidy Man (for countries that apply), EAC Logo (for countries that apply), KCCC Logo + approval number (Korea), AP Language bubble (AP only), RMN (regulatory model number), Regionalize mobius loop
<b>Product long name specifications</b>	HP DeskJet 2810 All-in-One Printer, Color Printer for Home, Print, copy, scan, Wireless; Print from phone or tablet
<b>Product name (back)</b>	HP DeskJet 2810 All-in-One Printer
<b>Product name (front)</b>	HP DeskJet 2810 All-in-One Printer
<b>Product name (primary)</b>	HP DeskJet 2810 All-in-One Printer
<b>Product name (secondary)</b>	HP DeskJet 2810 All-in-One Printer
<b>Product short name specifications</b>	HP DeskJet 2810 Wireless All-in-One Color Printer, Copier, Scanner
<b>Quantity per pallet</b>	72
<b>RMN number</b>	VCVRA-2201-01
<b>Recommended Macintosh system requirements</b>	macOS V10.14 Mojave, macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey, macOS 13 Ventura; 2 GB HD; Internet required
<b>Recommended monthly page volume</b>	50 to 100
<b>Recommended operating humidity range</b>	20 to 80% RH (non-condensing)
<b>Recommended operating temperature range</b>	15 to 30°C
<b>Recommended operating temperature range</b>	59 to 86°F
<b>Safety</b>	IEC 60950-1:2005 +A1:2009 +A2:2013, IEC 62368-1:2014, IEC 62368-1:2018, EN IEC 62368-1:2020 +A11:2020, EN 62311:2008, EN 50663:2017, EN 50665:2017
<b>Scan resolution, hardware</b>	Up to 1200 x 1200 dpi
<b>Scan resolution, optical</b>	Up to 1200 dpi
<b>Scan size, maximum</b>	8.5 x 11.69 in
<b>Scan size, maximum</b>	216 x 297 mm
<b>Scanning options (ADF)</b>	Not Applicable
<b>Segment (filter)</b>	Home
<b>Send to email capability</b>	No
<b>Service &amp; support options</b>	With services, software, solutions and support from HP, you can use, protect and enjoy your HP technology. Free technical support during warranty period. Access to world-class support services through <a href="http://www.hp.com/support">http://www.hp.com/support</a> .

<b>Standard input capacity (cards)</b>	Up to 20 cards
<b>Standard input capacity (envelopes)</b>	Up to 5
<b>Standard input capacity (legal)</b>	Up to 60 sheets
<b>Standard media sizes (duplex)</b>	Not Applicable
<b>Standard media sizes (duplex, imperial)</b>	Not Applicable
<b>Standard output capacity (cards)</b>	Up to 20 cards
<b>Standard output capacity (envelopes)</b>	Up to 5 envelopes
<b>Standard output capacity (labels)</b>	Up to 10 sheets
<b>Standard output capacity (legal)</b>	Up to 25 sheets
<b>Storage altitude</b>	4500 m
<b>Storage altitude</b>	15,000 ft
<b>Storage device and direct print support</b>	Storage devices not supported
<b>Storage temperature range</b>	-40 to 140°F
<b>Storage temperature range</b>	-40 to 60°C
<b>Sub-brand name</b>	Deskjet
<b>System requirements, recommended</b>	Windows 10, 11, : 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, Internet connection, Internet Explorer.
<b>Target user and print volume</b>	For teams up to 3 users; Prints up to 100 pages/month
<b>Tariff numbers</b>	8443310000
<b>Top key features</b>	Scan to PDF
<b>Twain version</b>	Version 2.4
<b>UNSPSC code</b>	43212104
<b>UPC number</b>	(614) 198990480343; (ABT) 196337379886; (BHG) 196337379909
<b>Vertical alignment accuracy</b>	+/- 0.00167 in
<b>Vertical alignment accuracy</b>	+/- 0.042 mm
<b>Video action printing supported</b>	No
<b>Wireless technologies</b>	802.11b/g/n

[2] 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.

[4] Average based on ISO/IEC 24711 or HP testing methodology and continuous printing. Actual yield varies considerably based on content of printed pages and other factors. For details see <http://hp.com/go/learnaboutsupplies>

[7] For more information about page yields for replacement cartridges see <http://hp.com/go/learnaboutsupplies> for setup cartridges click on Setup supplies link on the same page.



# Services

## HP Care Pack Services

★ : Recommended

### Imaging and Printing Consumer Care Pack Services

HP 3 year Care Pack w/Return to Depot Support for Multifunction Printers	UG235E
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# Ink/Toner/Paper/Printer Supplies

## Ink Supplies

★ : Recommended

### HP Inkjet Printer Cartridges and Ink Supplies

HP 305 Black Original Ink Cartridge	3YM61AE
HP 305 Tri-color Original Ink Cartridge	3YM60AE
HP 305XL High Yield Black Original Ink Cartridge	3YM62AE
HP 305XL High Yield Tri-color Original Ink Cartridge	3YM63AE

## HP Photo Papers

### HP Photo Papers for inkjet

HP Matte Photo Paper, 180 g/m2, 10 x 15 cm (101 x 152 mm), 25 sheets	7HF70A
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