Data sheet

HP Envy Photo 7231 All-in-One Printer

You dream it. Envy does it.



High-quality home photo printing

Print documents and borderless photos that look like they do on your screen with HP's true-to-screen tech.[1]

Customize the backs of photos for personalized cards with HP's exclusive automatic 2-sided photo printing.[1]

Turn memories into stunning, high-quality prints with photo-enhanced ink for richer, more vibrant colors.

Effortless prints, endless possibilities

Smoothly navigate printing with a large intuitive printer color touchscreen.[2]

With a dedicated photo tray, easily go from printing photos to everyday documents without switching paper.

Effortlessly set up, print, scan and copy from your phone or laptop with HP's best and easiest-to-use Print App.[3]

Make every photo a masterpiece

Make every moment more memorable with simple editing tools and customizable templates.

Enhance your photos and design unique cards with special touches like text and borders all in the HP app.[3]

Sleek and productive design

Modernize your space with a sleek and productive design, seamlessly complementing your workspace or living area.

This HP Envy Photo All-in-One printer contains at least 60% recycled plastic content.[4]

This printer is intended to work only with cartridges that have new or reused HP electronic circuitry, and it uses dynamic security measures to block cartridges using modified or non-HP circuitry. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. Reused HP electronic circuitry enables the use of reused, remanufactured, and refilled cartridges. More at: https://www.hp.com/learn/ds

Footnotes

[1] HP Envy Photo 7200 printers are the world's only P3 color gamut capable printers in-class delivering a wider color range with P3 than sRGB, and the only printers in-class with automatic 2-sided photo printing. Based on publicly available information as of March 2025, internal research compares Expanded Color Gamut technology and automatic photo duplex capabilities against comparable, top-selling inkjet printers under $200 USD. Market share data sourced from IDC Quarterly Hardcopy Peripherals Tracker - Final Historical 2024 Q4.

[2] HP Envy Photo 7200 printers have HP's latest and most intuitive color touchscreen technology, compared to HP's current printer display technology, and self-healing Wi-Fi, HP's best and most reliable wireless technology to experience uninterrupted printing, compared to current HP printers' wireless technology. Internet access required and must be purchased separately. Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at www.hp.com/go/mobileprinting .

[3] 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 2024. Claim based on research of printer manufacturer's print apps and Keypoint Intelligence hands-on testing and study commissioned by HP, July 2024. For details, please see: https://keypointintelligence.com/hpapp .

[4] Recycled plastic is expressed as a percentage of the total weight of plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2.

Technical specifications

Functions	Print, Scan, Copy, Photo
Print technology	HP Thermal Inkjet
Print speed[5]	**Black (A4, ISO):** Up to 15 ppm; **Colour (A4, ISO):** Up to 10 ppm; **Draft black (A4):** Up to 22 ppm; **Draft colour (A4):** Up to 20 ppm;
First page out[6]	**Black (A4, ready):** As fast as 18 sec; **Colour (A4, ready):** As fast as 20 sec
Print resolution	**Black (best):** Up to 1200 x 1200 rendered dpi; **Colour (best):** Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Monthly duty cycle[7]	Up to 1000 pages A4; **Recommended monthly page volume:** 300 to 400
Standard print languages	HP PCL 3 GUI
Print area	**Print margins:** Top: 3 mm, Bottom: 3 mm, Left: 3 mm, Right: 3 mm;
Borderless printing	Yes (up to 8.5 x 11 in, 216 x 297 mm)
Number of supplies	2 (1 each black, tri-color)
Multitasking supported	Yes
Duplex printing	Automatic
Copy speed[9]	**Black (A4, ISO):** Up to 13 cpm; **Colour (A4, ISO):** Up to 6 cpm
Copier specifications	**Maximum number of copies:** Up to 50 copies; **Reduce/Enlarge:** 25 to 400%
Scan file format	JPG, BMP, TIFF, PDF, PNG
Scanner specifications	**Scanner type:** ADF; Flatbed; **Scan input modes:** Mopria Scan; Front-panel; HP app; EWS; **Twain version:** Version 2.4; **Scan size maximum (flatbed):** 215.9 x 297 mm; **Scan size maximum (ADF,metric):** 215.9 x 355.6 mm; **Optical scan resolution:** Up to 1200 dpi
Scanner advanced features	Supported using HP app
Scannable area	**Maximum media size (flatbed):** 215.9 x 297 mm; **Maximum media size (ADF):** 215.9 x 355.6 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	**Standard:** Scan to PC
Connectivity	**Standard:** 1 USB 2.0 client; 1 Wi-Fi 802.11a/b/g/n/ac, dual band; Wi-Fi 2.4/5Hhz
Wireless	Yes, built-in self-healing dual band Wi-Fi 802.11a/b/g/n/ac
Mobile printing capability[4]	HP app; Apple AirPrint; Chrome OS; Mopria Print Service; Mopria-certified; HP Print Service Plugin
Network capabilities	Dual band (2.4/5GHz) wireless 802.11a/b/g/n/ac
Memory	**Standard:** 256 MB DDR3
Number of paper trays	**Standard:** 2 (Main and Photo Trays)
Media types	Plain Paper; HP Photo Papers; HP Matte Brochure or Professional Paper; HP Matte Presentation Paper; HP Glossy Brochure or Professional Paper; Other Photo Inkjet Papers; Other Matte Inkjet Papers; Other Glossy Inkjet Papers, Plain Paper, Light/Recycled
Media size	**Custom (metric):** Main Tray: 97.79 x 215 to 127 x 355 mm; Photo Tray: No custom sizes **Supported (metric):** Main Tray: A4, A5, A6, B5(ISO), B5(JIS), 10 x 15 cm, 10 x 30 cm, 2L, Hagaki, Ofuku Hagaki, Envelope (A2, C5, C6, DL, #10, Chou #3); Photo tray: 10 x 15 cm, 13 x 13 cm, 13 x 18 cm

Media weight, supported	Tray 1: A4: 75 to 90 g/m²; HP envelopes: 75 to 90 g/m²; HP Photo Paper: up to 300 g/m²; Photo Tray: photo paper: up to 300 g/m²
Input capacity	**ADF:** Standard, 35 sheets **Envelopes:** Up to 5 envelopes **Labels:** Up to 40 sheets
Compatible operating systems	Windows 11; Windows 10; macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia; Linux
Minimum system requirements	**Windows:** Windows 11, Windows 10 32 bit or 64 bit; 2 GB available hard disk space, Microsoft Internet Explorer or Edge; Internet connection **Mac:** macOS 13 Ventura; macOS 14 Sonoma; macOS 15 Sequoia; 2 GB HD; Internet required
Software included	Download HP app from hp.com/start/install .
Printer dimensions (W x D x H)[1]	**Minimum:** 460 x 383 x 190.5 mm; **Maximum:** 460 x 383 x 190.5 mm
Printer weight[2]	6.91 kg
Package weight	9.25 kg
Operating environment	**Temperature:** 5 to 40°C **Humidity:** 20 to 80% RH
Storage conditions	**Temperature:** -40 to 60°C **Humidity:** 10 to 90% RH (non-condensing)
Acoustics	**Acoustic power emissions:** 6.2 B(A) **Acoustic pressure emission:** 52 dB(A)
Power[3]	**Requirements:** 2 wire (Class 2) internal, dual mode AC/DC power supply. 100-240Vac, 50/60Hz, 0.7A input. 32V/12V (sleep), 469mA/166mA (sleep), 15W/2W(sleep) output. Not dual voltage, power supply varies by part number with # Option code identifier. ; **Consumption:** Up to 14 Watts (printing) 4.9 Watts (ready), 1.02 Watts (sleep), 0.06 Watts (manual off) ; **Power supply type:** Internal universal power supply
Certifications	EN 55032:2012/AC:2013 Class B; ETSI EN 301 489-1 v2.2.3:2019-11; ESTI EN 301 489-17 v3.2.4:2020-09; EN 6100-3-2:2018; EN 61000-3-3:2013; IEC 61000-4-2:2008; EN55035:2017; FCC CFR 47 Part 15. IT ECO Declaration
Sustainable impact specifications[10,11]	Recyclable through HP Planet Partners; 60% post-consumer recycled plastic
Control panel	2.7" (6.85 cm) Color Touchscreen, 3 buttons (back, home, help); Articulating display
What's in the box	**B6JW5D:** HP Envy Photo 7231 All-in-one Printer; HP 804 Setup Black Original Ink Cartridge; HP Setup Tri-color Original Ink Cartridge; Setup Guide; Reference Guide; Power cord
Supplies, After market or Supplies, replacement[8]	**T6N09AA** HP 804 Tri-color Original Ink Cartridge (~165 pages) **T6N10AA** HP 804 Black Original Ink Cartridge (~200 pages) **T6N11AA** HP 804XL High Yield Tri-color Original Ink Cartridge (~415 pages) **T6N12AA** HP 804XL High Yield Black Original Ink Cartridge (~600 pages)
Warranty	One-year limited warranty. For more info please visit us at www.support.hp.com. For full terms and conditions visit: www.hp.com/go/orderdocuments. Warranty and support options vary by product, country and local legal requirements. 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 www.support.hp.com

[1] Dimensions vary as per configuration [2] Weight varies as per configuration [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. [4] Wireless performance is dependent upon physical environment and distance from the access point. Wireless operations are compatible with 2.4 and 5 GHz routers only; excludes wireless direct. Wireless direct may require driver or apps be installed and connected on wireless-enabled mobile device or PC. Wireless functionality may vary by computer and mobile operating systems, see https://hpconnected.com . Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. AirPrint supports OS X v10.13 High Sierra and devices running iOS 4.2 or later and requires the printer be connected to the same network as your OS X or iOS device. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple® Inc. Windows is a trademark of the Microsoft group of companies. Mopria®, the Mopria® Logo, and the Mopria Alliance™ word mark and logo are registered and/or unregistered trademarks and service marks of Mopria Alliance, Inc. in the United States and other countries. Unauthorized use is strictly prohibited [5] Speed specifications have been updated to reflect current industry testing methods. [6] Either after first page or after first set of ISO test pages. For details see https://www.hp.com/go/printerclaims [7] 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 [8] For more information about page yields for replacement cartridges see https://hp.com/go/learnaboutsupplies for setup cartridges click on Setup supplies link on the same page. [9] Speed specifications have been updated to reflect current industry testing methods. [10] Program availability varies. For details, see https://www.hp.com/recycle. [11] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2)

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