

HP ENVY Pro 6420 All-in-One Printer



Handle it all from home. Print, scan, and copy everyday documents and more, and get a 35-page auto document feeder. Set up and connect on any device,¹ and get self-healing Wi-Fi™.² Get ink delivered for a lot less – HP Instant Ink.^{3,4,5}

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: <http://www.hp.com/learn/ds>

Highlights

- 3 months of Instant Ink trial included^{3,4,5}
- Print. Copy. Scan. Send mobile fax
- Print speed 10/7 ppm (black/colour)
- Double-sided printing
- Contains more than 20% recycled plastic⁸
- Borderless printing (up to 216 x 297 mm)
- 35 sheet auto document feeder
- Reliable connection with Dual band Wi-Fi™ with Bluetooth® 5.0 and self-healing
- Wireless and HP Smart app capable¹



HP Smart App

Loaded with everything. Except complications.

- Work fast and hands-free – the 35-page auto-feeder helps you complete scan and copy jobs quickly.
- Easily print, scan, and copy everyday documents from your smartphone, using HP Smart app.¹
- Save time by sending a mobile fax from your smartphone, tablet, or PC for 24 months, with HP Smart app.⁶
- Easily handle tasks and get a lot from one device – print, scan, and copy.

Print then and there. From anywhere.¹

- Get started fast with simple setup that guides you through each step, using HP Smart app.¹
- Self-healing Wi-Fi™ automatically detects and resolves connectivity issues to help reduce interruptions.²
- Tap the Smart Tasks shortcut in HP Smart app for a shortcut on your phone.¹ Scan to cloud, email, and more.
- Get connected with Bluetooth® and start printing fast from your smartphone or tablet – easy setup.⁷

Never run out and save up to 70% with Instant Ink^{3,4}

- When ink levels are low, a new cartridge is automatically dispatched at no extra cost. Enjoy total flexibility, because you can change or cancel your plan anytime.⁵
- Get rich black text and vibrant graphics for all your everyday and business documents and photos.

Technical specifications

Functions	Print, copy, scan, wireless, send mobile fax
Print technology	HP Thermal Inkjet
Print speed ⁶	Black (A4, ISO): Up to 10 ppm; Colour (A4, ISO): Up to 7 ppm; Draft black (A4): Up to 20 ppm; Draft colour (A4): Up to 17 ppm;
First page out	Black (A4, ready): As fast as 18 sec; Colour (A4, ready): As fast as 21 sec
Print resolution	Black (best): Up to 1200 x 1200 rendered dpi (when printing from a computer); Colour (best): Up to 4800 x 1200 optimised dpi colour (when printing from a computer on selected HP photo papers and 1200 input dpi)
Monthly duty cycle ⁷	Up to 1000 pages A4; Recommended monthly page volume: 100 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, 210 x 297 mm)
Number of supplies	2 (1 each black, tri-color)
Multitasking supported	No
Duplex printing	Automatic (standard)
Copy speed ⁸	Black (A4, ISO): Up to 8 cpm; Colour (A4, ISO): Up to 4 cpm
Copier specifications	Copier settings: Colour, monochrome; Maximum number of copies: Up to 9 copies; Copy resolution: Up to 300 x 300 dpi; Reduce/Enlarge: Via HP Smart app
Scan speed	Normal (A4): Up to 7 ipm (black and white), 3 ipm (colour);
Scan file format	RAW, JPG, PDF
Scanner specifications	Scanner type: Flatbed, ADF; Scan input modes: Mobile, HP Scan Software, HP Smart; Twain version: Version 2.1; Scan size maximum (flatbed): 215.9 x 297 mm; Scan size maximum (ADF;metric): 215.9 x 297 mm; Optical scan resolution: Up to 1200 dpi
Scannable area	Maximum media size (flatbed): 215.9 x 297mm; Maximum media size (ADF): 215.9 x 297 mm
Bit depth/ Grey scale levels	24-bit / 256
Fax specifications	Fax resolution: Standard: 150 x 150 dpi; Fine: 150 x 150 dpi;
Fax smart software features	Send Mobile Fax enabled (HP Smart App Capability); Option to add files from your phone file/photos; Camera scan or Printer scanner; Option to easily add cover page and save the cover page template; Access to Fax history to see all send faxes and draft;; Ability to edit and resent fax from History; Easily print fax confirmation
Processor speed	800 MHz
Connectivity	Standard: 1 Hi-Speed USB 2.0; 1 Wi-Fi 802.11 ac (dual band)
Wireless	Yes, built-in Wi-Fi 802.11 b/g/n
Mobile printing capability ⁴	Apple AirPrint™; Chrome OS; HP Smart app; Mopria-certified
Network capabilities	Built-in Wi-Fi 802.11 b/g/n
Memory	Standard: 128 MB DDR3
Number of paper trays	Standard: 1
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): Simplex: 76.2 x 127 mm to 216 x 594 mm; Duplex: 76.2 x 127 mm to 216 x 594 mm Supported (metric): A4; A5; B5; DL; C6; A6
Media weight, supported	A4: 60 to 90 g/m²; HP envelopes: 75 to 90 g/m²; HP cards: up to 200 g/m²; HP 10 x 15 cm photo paper: up to 300 g/m²

Input capacity	Standard: Up to 100 sheets ADF: Standard, 35 Sheets Envelopes: Up to 10 envelopes Cards: Up to 40 cards
Output capacity	Standard: Up to 25 sheets Envelopes: Up to 5 envelopes
Compatible operating systems	Windows 11; Windows 10; Windows 7; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave; macOS 10.15 Catalina; macOS 13 Ventura; Chrome OS; macOS 14 Sonoma
Minimum system requirements	Windows: Windows 10, 7: 1 GHz 32-bit (x86) or 64-bit (x64) processor; 2 GB available hard disk space, Internet connection, USB port, Internet Explorer Mac: macOS Sierra v10.12 (previously OS X), macOS High Sierra v10.13, macOS Mojave v10.14, macOS Catalina v10.15, 2 GB available hard disk space, Internet Access
Software included	HP Printer Software, available online
Printer dimensions (W x D x H) ¹	Minimum: 432.5 x 361.1 x 174 mm; Maximum: 432.5 x 511.5 x 194 mm
Package dimensions (W x D x H)	474 x 218 x 408 mm
Printer weight ²	6.16 kg
Package weight	7.55 kg
Operating environment	Temperature: 5 to 40°C Humidity: 25 to 75% RH (non-condensing)
Storage conditions	Temperature: -40 to 60°C Humidity: 20 to 80% RH (non-condensing)
Acoustics	Acoustic power emissions: 6.4 B(A) Acoustic pressure emission: 55 dB(A) (printing at 5 ppm)
Power ³	Requirements: Input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz, 0.7A ; Consumption: 0.10 Watts (off) , 4.0 Watts (ready) , 1.70 Watts (sleep) ; Typical Electricity Consumption (TEC): 0.31 kWh/Week ; Power supply type: Built-in Universal Power Supply
Certifications	CISPR 32:2012/EN 55032:2012 Class B, CISPR 32:2015/EN 55032:2015 Class B, CISPR 24:2010/EN 55024:2010, CISPR 35:2016/EN 55035:2017, EN 301 489-1 V2.1.1:2017, EN 301 489-17 V3.1.1:2017 ENERGY STAR® certified
Sustainable impact specifications	The HP Envy 6000 All-in-One series is made from recycled printers and other electronics—more than 20% by weight of plastic. Save paper by up to 50% using automatic two-sided printing. Original HP cartridges have been engineered to use recycled plastic and help meet HP's demanding standards for quality and reliability.
Country of origin	Made in Thailand
Control panel	CP decorative without LCD display - Cap Sense buttons: Monochrome & Colour Copy, Info, Cancel and Accept, ADF Paper Jam and Wi-Fi notification Icon.
What's in the box	SSE45B: HP ENVY Pro 6420 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 http://www.hp.com/go/learnaboutsupplies .
Supplies, After market or Supplies, replacement	3YM60AE HP 305 Tri-color Original Ink Cartridge (~100 pages) 3YM61AE HP 305 Black Original Ink Cartridge (~120 pages) 3YM62AE HP 305XL High Yield Black Original Ink Cartridge (~240 pages) 3YM63AE HP 305XL High Yield Tri-color Original Ink Cartridge (~200 pages)
Service and Support	UG187E HP 3 year Care Pack with Standard Exchange for Multifunction Printers UG062E HP 3 year Care Pack with Next Day Exchange for Multifunction Printers UG235E HP 3 year Care Pack with Return to Depot Support for Multifunction Printers (UG187E - available in All EMEA countries except Middle East, Adriatic, Africa, South Africa, Israel, Slovenia, Turkey, UG062E - available in Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, UK, UG235E - available in Adriatic, Africa, CIS, EEM, Israel, Middle East, Romania, South Africa, Turkey)
Warranty	One-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.

Messaging Footnotes

¹ Requires the HP Smart app download. For details on local printing requirements see <http://hp.com/go/mobileprinting>. Certain features/software are available in English language only. Internet access required and must be purchased separately.

² Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at <http://hp.com/go/mobileprinting>. Wi-Fi is a registered trademark of Wi-Fi Alliance®.

³ Ordered by your printer when needed, subject to customer internet connection. Availability may vary in exceptional circumstances. Express deliveries available via Support Services, if you use more ink than anticipated. See hp.com/go/instantinksupport for troubleshooting assistance and contact support options.

⁴ Based on the monthly subscription cost of HP Instant Ink 700-page plan without purchase of additional sets of pages compared to cost per page (CPP) to print ISO/IEC 24711 pages on most HP, A4 colour inkjet cartridge printers and MFPs. Comparative printers are priced at or below the most expensive HP Instant Ink-eligible printer in each country using local currency, as of September 2022. Sale prices not considered for this study. Average CPP per country used to determine percent savings versus CPP for HP Instant Ink. HP Ink Advantage printers, printers sold through contract, and other printers which only use XL cartridges excluded due to a non-standard hardware & supplies model. Keypoint Intelligence October 2022 study commissioned by HP. Printers selected by market share in IDC Quarterly Hardcopy Peripherals Tracker - Final Historical 2022Q2. www.keypointintelligence.com/HPInstantInk

⁵ Change or cancel your plan at any time online except that you can't downgrade from a paid plan to the free plan since it is an introductory offer only. If you decide to cancel your HP Instant Ink plan you can go back to using HP original Standard or XL cartridges. Plan upgrades are effective immediately and the charges will be applied retrospectively or in the next billing cycle, depending on user choice. Plan downgrades and cancellations are effective after the last day of the current billing period. For full details go to instantink.hpconnected.com/terms.

⁶ Requires the HP Smart app download. For details on local printing requirements see <http://hp.com/go/mobileprinting>. Certain features/software are available in English language only. Internet access required and must be purchased separately. Fax capabilities are for sending a fax only, and may require additional purchase. For more information, see hpsmart.com/mobile-fax.

⁷ Mobile device needs to support Bluetooth v4.2+ and be enabled. A mobile app such as HP ePrint or HP Smart must be installed and opened for printing. Mobile device must be within 5 feet of the printer. For details, see <http://www.hp.com/go/bleprinting>. Bluetooth is a trademark owned by its proprietor and used by HP under license.

⁸ Made with more than 20% recycled plastic by weight in models made after August 2020.

Technical Specifications Footnotes

¹ Dimensions vary as per configuration.

² Weight varies as per configuration.

³ Power measurements are based on ENERGY STAR® OM test procedure with 230 VAC, 50 Hz input.

⁴ Wireless performance is dependent upon physical environment and distance from the access point. Wireless operations are compatible with 2.4 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 <http://www.hpconnected.com>. HP ePrint requires: account registration, HP ePrint-enabled printer, Internet connection, and a wireless-enabled mobile device or Internet-connected computer with email capability. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. AirPrint supports OS X® Lion, OS X® Mountain Lion and the following devices running iOS 4.2 or later: iPad®, iPhone® (3GS or later), iPod touch® (3rd generation 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. BlackBerry® names and logos are the property of Research In Motion Limited. Android is a trademark of Google Inc.

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 <http://www.hp.com/go/printerclaims>.

⁷ Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

⁸ 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.

⁹ Based on cloud storage.

¹⁰ Set by Fax service Provider.

