HP ENVY Pro 6420 All-in-One Printer (5SE46A)

Overview

Get fast, multi-page scanning, plus connect and print on any device. [1]

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]

Loaded with everything. Except complications.

Work fast and hands-free—the 35-page auto-feeder helps you complete scan and copy jobs quickly.

Quality you can count on

Get rich black text and vibrant graphics for all your everyday and business documents and photos.

Print then and there. From anywhere. [1]

Get started fast with simple setup that guides you through each step, using HP Smart app.[1]

Features

Seamless setup[1]

Your reliable connection[2]

Hands-free. Auto-fed.

Print, scan, and copy from your phone[1]

Modern faxing is mobile faxing[7]

Tackle the essentials

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[1] Requires the HP Smart app download. For details on local printing requirements see 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®.

[7] 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 http://hpsmart.com/mobile-fax.

Specifications

Print quality black (best)	Up to 1200 x 1200 rendered dpi (when printing from a computer)
Print quality color (best)	Up to 4800 x 1200 optimized dpi color (when printing from a computer on selected HP photo papers and 1200 input dpi)
Print speed black (ISO, A4)	Up to 10 ppm
Print Speed Color (ISO)	Up to 7 ppm
Functions	Print, copy, scan, wireless, send mobile fax
Duplex printing	Automatic (standard)
Duty cycle (monthly, A4)	Up to 1000 pages
Duty cycle (monthly, letter)	Up to 1000 pages[7]
Fax smart software features	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 drafts, Ability to edit and resend fax from History, Easily print fax confirmation
Replacement cartridges	HP 67 Black Original Ink Cartridge (~120 pages yield) 3YM56AN; HP 67XL Black High Yield Original Ink Cartridge (~240 pages yield) 3YM57AN; HP 67XXL Black Extra High-Yield Original Ink Cartridge (~400 pages yield) 3YM59AN; HP 67 Tri-Color Original Ink Cartridge (~100 pages yield) 3YM55AN; HP 67XL Tri-Color High-Yield Original Ink Cartridge (~200 pages yield) 3YM58AN; HP 67XXL Tri-Color Extra High-Yield Original Ink Cartridge (~330 pages yield) 6ZA16AN. Actual yield varies considerably based on content of printed pages and other factors. For details see http://www.hp.com/go/learnaboutsupplies
Connectivity, standard	1 Hi-Speed USB 2.0; 1 Wi-Fi 802.11ac (dual band)
Network capabilities	Built-in Wi-Fi 802.11b/g/n
Wireless capability	Yes, built-in Wi-Fi 802.11b/g/n
Mobile printing capability	HP Smart app; Apple AirPrint™; Mopria™-certified
Software included	HP Printer Software, available online
Compatible Operating Systems	Windows 10, 7; MacOS Sierra v10.12 (previously OS X), macOS High Sierra v10.13, macOS Mojave v10.14, macOS Catalina v10.15
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.
Fax Resolution Black (best)	Up to 150 x 150 dpi
Faxing	Yes, mobile fax (send only)
Scan speed (normal, A4)	Up to 7 ipm (b&w), 3 ipm (color)
Scan speed (normal, letter)	Up to 7 ipm (b&w), 3 ipm (color)
Scan file format	RAW, JPG, PDF
Scan input modes	Mobile, HP Scan Software, HP Smart

Scan technology	CIS
Scanner type	Flatbed, ADF
Minimum dimensions (W x D x H)	432.5 x 361.1 x 174 mm
Minimum dimensions (W x D x H)	17.02 x 14.21 x 6.8 in
Weight	6.16 kg
Weight	13.58 lb
Power consumption	0.10 Watts (Off) , 4.0 Watts (Ready) , 1.70 Watts (Sleep)[3]
Power supply type	Built-in Universal Power Supply
What's in the box	HP ENVY 6420 All-in-One Printer; HP 67 Setup Black Cartridge; HP 67 Setup Tri-Color Cartridge; Regulatory flyer; Setup guide; Reference guide; Power cord [For ink volume and page yield information, visit http://hp.com/go/learnaboutsupplies][8]
Warranty	One-year limited hardware warranty; 24-hour, 7 days a week support

Additional specifications

Accessories	None
Acoustic power emissions (active copy)	6.5 B(A)
Acoustic power emissions (active, printing)	6.4 B(A)
Acoustic pressure emissions	55 dB(A) (printing at 5 ppm)
Auto fax reduction supported	No
Automatic document feeder capacity	Standard, 35 Sheets
Automatic paper sensor	Yes
Bit depth	24-bit
Borderless printing	Yes (up to 8.5 x 11 in, 210 x 297 mm)
Bottom margin (A4)	3 mm
Cable included	No, please purchase (USB) cable separately
Color copy capability	Yes
Color scanning	Yes
Color(s) of printing supplies	Black; Cyan; Magenta; Yellow
Compatible Network Operating Systems	Windows 10, 7; MacOS Sierra v10.12 (previously OS X), macOS High Sierra v10.13, macOS Mojave v10.14, macOS Catalina v10.15
Control panel	Smart contextual user interface - Cap Sense buttons: Monochrome & Colour Copy, Information, Cancel and Accept. ADF paper Jam and Wi-Fi notification icons
Copier settings	Color, mono
Copies, maximum	Up to 9 copies
Copy reduce / enlarge settings	Via HP Smart app
Copy resolution (black graphics)	Up to 300 x 300 dpi
Copy resolution (black text)	Up to 300 x 300 dpi
Copy resolution (color text and graphics)	300 x 300 dpi
Copy speed black (ISO)	Up to 8 cpm
Copy speed color (ISO)	Up to 4 cpm
Count of cartons per pallet layer	10
Count of layers in pallet	5
Country of origin	Made in Thailand
Dimensions with trays up (W x D x H)	432.5 x 361.1 x 132.1 mm

Distinctive ring detection supported	No
Electromagnetic compatibility	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 FCC CFR 47 Part 15 Class B ICES-003, Issue 6 VCCI-CISPR 32:2016 EN 301 489-1 V2.1.1:2017 EN 301 489-17 V3.1.1:2017
Enhanced scanning resolution	Up to 1200 dpi
Envelope Feeder	No
Fax Auto Redial	Yes
Fax PC Interface Supported	Yes, using HP Smart app for Desktop
Fax Polling	No
Fax Remote Retrieval	Yes (with HP Smart app using mobile device)
Fax Transmission Speed	14.4 kbps
Fax delayed sending	No
Fax forwarding	Yes
Fax memory	Unlimited storage
Fax phone TAM interface supported	No
Fax resolution black	150 x 150 dpi
Fax resolution color (fine)	150 x 150 dpi
Fax resolution color (standard)	150 x 150 dpi
Fax telephone mode supported	No
Faxing options (ADF)	Single-sided
Finished output handling	Sheetfed
First page out black (A4, ready)	As fast as 18 sec
First page out color (A4, ready)	As fast as 21 sec
Geographic availability	AP DM
Ink types	Dye-based (color); Pigment-based (black)
Input capacity	Up to 100 sheets
Left margin (A4)	3 mm
Levels of grayscale	256
Mac compatible	Yes
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum Memory	128 MB DDR3
Maximum dimensions (W x D x H)	17.02 x 20.13 x 7.6 in
Maximum dimensions (W x D x H)	432.5 x 511.5 x 194 mm

Maximum input capacity (10x15cm photos)	Up to 30 sheets
Maximum input capacity (4x6 photo)	Up to 30 sheets
Maximum input capacity (cards)	Up to 40 cards
Maximum input capacity (photo paper)	Up to 30 sheets
Maximum input capacity (sheets)	Up to 100 sheets
Maximum output capacity (envelopes)	Up to 5 envelopes
Maximum output capacity (photo paper)	Up to 10 sheets
Maximum output capacity (sheets)	Up to 25 sheets
Media sizes supported	A4; A5; B5; DL; C6; A6
Media sizes supported	Letter, 4 x 6 in, 5 x 7 in, 8 x 10 in, No. 10 envelopes
Media sizes supported, key	4 x 6 in; Letter
Media sizes supported, key	10 x 15 cm; A4
Media sizes, custom	Simplex: 76.2 x 127 mm to 216x594mm; Duplex: 76.2 x 127 mm to 216x594mm
Media sizes, custom	Simplex:3x5 to 8.5x14; Duplex:3 x 5.5 to 8.5 x 12.2 in
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 weight, recommended	20 lb
Media weight, recommended	75 g/m²
Media weight, supported	Letter: 16 to 24 lb; HP envelopes: 20 to 24 lb; HP cards: up to 53 lb; HP 4 x 6 inch photo paper: up to 80 lb
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
Memory	128 MB DDR3
Memory Slots	None
Minimum System Requirements	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
Minimum System Requirements for Macintosh	MacOS Sierra v10.12 (previously OS X), macOS High Sierra v10.13, macOS Mojave v10.14, macOS Catalina v10.15, 2 GB Available Space, Internet Access
Multitasking supported	No
Non-Operating Humidity Range	20 to 80% RH (non-condensing)
Number of print cartridges	2 (1 each black, tri-color)
Number of users	1-3 Users

Operating humidity range	20 to 80% RH (non-condensing)
Operating temperature range	5 to 40°C
Operating temperature range	41 to 104°F
Orderable supplies	HP 67 Black Original Ink Cartridge 3YM56A; HP 67XL Black High Yield Original Ink Cartridge 3YM57A; HP 67XXL Black Extra High-Yield Original Ink Cartridge 3YM59A; HP 67 Tri-Color Original Ink Cartridge 3YM55A; HP 67XL Tri-Color High-Yield Original Ink Cartridge 3YM58A; HP 67XXL Tri-Color Extra High-Yield Original Ink Cartridge 6ZA16A
Output capacity	Up to 25 sheets
Package dimensions (W x D x H)	474 x 218 x 408 mm
Package dimensions (W x D x H)	18.66 x 8.58 x 16.06 in
Package weight	7.55 kg
Package weight	16.64 lb
Page yield (set-up/inbox cartridges)	~120 pages black, ~75 pages tri-color
Pallet dimensions	48 x 40 x 85.7 in
Pallet dimensions (W x D x H)	1219 x 1016 x 2177 mm
Pallet weight	878 lb
Pallet weight	399 kg
Paper handling input, standard	Up to 100 sheets input tray
Paper handling output, standard	25-sheet output tray
Paper trays, maximum	1
Paper trays, standard	1
PictBridge supported	No
Power	Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz, 0.7A
Print Technology	Ink
Print colors	Yes
Print colors maximum	4
Print head nozzles	328 (black), 588 (color)
Print heads	2 (1 each black, tri-color)
Print languages	HP PCL 3 GUI
Print speed black (ISO)	Up to 10 ppm
Print speed black (draft, A4)	Up to 20 ppm
Print speed color (ISO)	Up to 7 ppm
Print speed color (draft, A4)	Up to 17 ppm
Print speed color (normal, 4x6 photo)	As fast as 53 sec
Print technology	HP Thermal Inkjet

Printer drivers included	HP PCL 3
Processor speed	800 MHz
Product color	White
Product logos	WW: Hi-Speed USB; WiFi Certified, AirPrint, ColorLok, HP Total Care, RMN (Regulatory Model Number), HP Total Care, Regionalized Mobius Loop. Mopria-certified. EMEA and AP: PAP 20; This side up; Fragile/Keep Dry; Stacking Height (6), Recycle. AP: "Language bubbles." NA only: SmartWay logo. EMEA only: CE, Green Dot, Tidy man, EAC logo. Korea only: Korea KCCC Logo+ approval number. Instant Ink (for countries that apply), WeChat (for countries that apply), Energy Star (for countries that apply), Smart Way (for countries that apply)
Product long name specifications	N/A
Quantity per pallet	50
RMN number	SNPRC-1807-02
Recommended Macintosh system requirements	MacOS Sierra v10.12 (previously OS X), macOS High Sierra v10.13, macOS Mojave v10.14, macOS Catalina v10.15, 2 GB Available Space, Internet Access
Recommended monthly page volume	100 to 400
Recommended operating humidity range	25 to 75% RH (non-condensing)
Recommended operating temperature range	15 to 30°C
Recommended operating temperature range	59 to 86°F
Resolution (black and white, standard mode)	150 x 150 dpi
Resolution (black photo grayscale)	150 x 150 dpi
Right margin (A4)	3 mm
Safety	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 IEC 60950-1:2005 +A1:2009 +A2:2013 EN 62368-1:2014+A11:2017 IEC 62368-1:2014 EN 62479:2010 EN 62311:2008
Scan resolution, hardware	Up to 1200 x 1200 dpi
Scan resolution, optical	Up to 1200 dpi
Scan size (ADF), maximum	8.5 x 11.7 in
Scan size (ADF), maximum	215.9 x 297 mm
Scan size, maximum	8.5 x 11.7 in
Scan size, maximum	215.9 x 297mm
Scanning options (ADF)	Single-Pass
Service & support features	With services, software, solutions and support from HP, you can use, protect and enjoy your HP technology; one-year technical support; one-year limited hardware warranty; access to 24/7 award-winning support services through http://www.hp.com/support; to improve your product experience, please take the time to register at http://www.register.hp.com

Service & support options	Protect your investment„HP offers a variety of extended warranties and services; go to http://www.hp.com/support
Standard input capacity (cards)	Up to 40 cards
Standard input capacity (legal)	Up to 100 sheets
Standard media sizes (duplex)	A4; A5; B5
Standard media sizes (duplex, imperial)	Letter; Executive
Standard output capacity (envelopes)	Up to 5 envelopes
Storage temperature range	-40 to 60°C
Storage temperature range	-40 to 140°F
Sub-brand name	ENVY
System requirements, recommended	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.
Tariff numbers	8443310000
Telecom compliance (fax capability)	EN 300 328 V2.1.1:2016 EN 301 893 V2.1.1:2017
Top margin (A4)	3 mm
Transparency adapter	No
Transparent materials adapter (supported)	No
Twain version	Version 2.1
Typical electricity consumption (TEC) number	0.31 kWh/Week
UPC number	194721022189
Vertical alignment accuracy	+/- 0.00167 in
Vertical alignment accuracy	+/- 0.042 mm
Video action printing supported	No
Wireless	802.11b/g/n; Bluetooth

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

[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

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 2-pack High Yield Black/Tri-color Original Ink Cartridges	6ZA94AE
HP 305XL High Yield Black Original Ink Cartridge	3YM62AE
HP 305XL High Yield Tri-color Original Ink Cartridge	3YM63AE
HP 307XL Extra High Yield Black Original Ink Cartridge	3YM64AE
HP 67 2-pack Black/Tri-color Original Ink Cartridges	3YP29AN
HP 67 Black Original Ink Cartridge	3YM56AA
HP 67 Black Original Ink Cartridge	3YM56AN
HP 67 Tri-color Original Ink Cartridge	3YM55AA
HP 67 Tri-color Original Ink Cartridge	3YM55AN
HP 67XL 2-pack High Yield Black Original Ink Cartridges	6ZA53BN
HP 67XL 2-pack High Yield Black/Tri-color Original Ink Cartridges	3YP31BN
HP 67XL High Yield Black Original Ink Cartridge	3YM57AA
HP 67XL High Yield Black Original Ink Cartridge	3YM57AN
HP 67XL High Yield Black/67 Tri-color 2-pack Original Ink Cartridges	3YP30AN
HP 67XL High Yield Tri-color Original Ink Cartridge	3YM58AA
HP 67XL High Yield Tri-color Original Ink Cartridge	3YM58AN
HP 67XXL Extra High Yield Black Original Ink Cartridge	3YM59AA
HP 67XXL Extra High Yield Black Original Ink Cartridge	3YP33BN
HP 67XXL Extra High Yield Tri-color Original Ink Cartridge	3YP32BN
HP 805 Black Original Ink Cartridge	3YM73AA
HP 805 Tri-color Original Ink Cartridge	3YM72AA
HP 805XL High Yield Black Original Ink Cartridge	3YM71AA
HP 805XL High Yield Tri-color Original Ink Cartridge	3YM70AA

HP Paper Designed for Inkjet Printers

HP Inkjet Photo Paper

HP Advanced Glossy Photo Paper-25 sht/4 x 6 in borderless	3AG54A
HP Advanced Glossy Photo Paper-25 sht/5 x 7 in	3AG55A

HP Matte Photo Paper-25 sht/10 x 15 cm	7HF70A
HP Matte Photo Paper-25 sht/4 x 6 in	6QH46A

HP Inkjet Brochure Paper

HP Enhanced Business Inkjet Matte FSC Paper 150 gsm-150 sht/Letter/8.5 x 11 in	9ZE20A

HP Professional Inkjet Paper

HP Professional Inkjet Matte FSC Paper 180 gsm-150 sht/A4/210 x 297 mm	7MV79A

HP Paper for Multiple Uses

HP Multi-use Professional Paper

HP Professional Multi-use Glossy FSC Paper 180 gsm-150 sht/A3/297 x 420 mm	7MV84A
HP Professional Multi-use Glossy FSC Paper 180 gsm-150 sht/Letter/8.5 x 11 in	Q1987A
HP Professional Multi-use Glossy FSC Papers 180 gsm-150 sht/A4/210 x 297 mm	3VK91A
HP Professional Multi-use Glossy Tri-fold FSC Paper 180 gsm-150 sht/8.5 x 11 in	4WN12A

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