



# Envy 4500 e-All-in-One Printer

This e-all-in-one offers affordable printing from virtually anywhere.<sup>1</sup> Produce borderless, lab-quality photos and laser-sharp documents from your smartphone, tablet, and Internet-connected PC.<sup>1</sup>

- ISO speed:**<sup>7</sup> Up to 8.8 ppm black, Up to 5.2 ppm color
- Scan resolution:** Up to 1200 x 2400 ppi hardware; **Scan type:** Flatbed
- Copy speed:**<sup>8</sup> Up to 6 cpm black, Up to 4 cpm color
- Standard connectivity:** 1 Hi-Speed USB 2.0; 1 WiFi 802.11n
- Duty cycle:**<sup>9</sup> Up to 1,000 pages
- Display:** 2.0 inch (5 cm) Hi-Res Mono LCD
- Borderless printing:** Yes (up to 8.5 x 11 in, 216 x 297 mm)



## Tackle any task

- Create a reaction with every page—easily produce borderless, lab-quality photos and laser-sharp documents.
- No need to wait—print wirelessly right away with painless setup.<sup>2</sup>
- Inspire life with every print—HP Printables deliver news, fun, and savings directly to your printer.<sup>3</sup>

## Print wirelessly from virtually anywhere<sup>1</sup>

- Print from virtually anywhere—print wirelessly from your smartphone, tablet and Internet-connected PC.<sup>1</sup>
- Always have your printer on hand—scan directly to your mobile device with the HP Printer Control app.<sup>4</sup>

## Conserve resources without slowing down

- Both sides of savings—save time and paper with automatic two-sided printing.
- Full of value! Print more for less with optional high-capacity cartridges.<sup>5</sup>
- Designed to conserve—save energy, using a printer that's ENERGY STAR<sup>®</sup> qualified.
- Small effort, big impact. Count on easy, free cartridge recycling through HP Planet Partners.<sup>6</sup>



<sup>1</sup>Requires an Internet connection to an HP web-enabled printer and HP ePrint account registration. For a list of eligible printers, supported documents and image types, and other HP ePrint details, see [hpconnected.com](http://hpconnected.com). Mobile devices and PCs require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz routers only. <sup>2</sup>HP Auto Wireless Connect may not be available for all system configurations. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz routers only. For information on compatibility, visit [www.hp.com/go/autowirelessconnect](http://www.hp.com/go/autowirelessconnect). <sup>3</sup>Requires a wireless access point and an Internet connection to the printer. Services require registration. Availability varies by country, language, and agreements, and may require a firmware upgrade. HP Printables may not be available on all printer models, and not all apps can be set up for automatic delivery. For details, see [www.hpconnected.com](http://www.hpconnected.com). <sup>4</sup>Mobile device requires wireless access point and Internet connection. Features controlled may vary by mobile device operating system. Scan/copy control requires mobile device and printer be on the same wireless network or through wireless direct connection to printer. For more details, see [www.hpconnected.com](http://www.hpconnected.com). <sup>5</sup>High-capacity Original HP 61XL, 301XL, 122XL, and 802 Ink Cartridges not included; please purchase separately. Less cost per page compared with standard capacity Original HP 61, 301, 122, and 802 Ink Cartridges. <sup>6</sup>Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries, territories, and regions in Asia, Europe, and North and South America through the HP Planet Partners program. For more information, visit [www.hp.com/recycle](http://www.hp.com/recycle). <sup>7</sup>Either after first page or after first set of ISO test pages. For details see [www.hp.com/go/printerclaims](http://www.hp.com/go/printerclaims). <sup>8</sup>Speed specifications have been updated to reflect current industry testing methods. <sup>9</sup>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.



# HP Envy 4500 e-All-in-One Printer

## TECHNICAL SPECIFICATIONS

<b>AIO functions</b>	Print, copy, scan, photo
<b>AIO multitasking supported</b>	No
<b>Duplex print options</b>	Automatic (standard)
<b>Print speed<sup>1</sup></b>	<b>ISO speeds:</b> Up to 8.8 ppm black, Up to 5.2 ppm color <b>Draft speeds:</b> Up to 21 ppm black, Up to 17 ppm color
<b>First page out<sup>1</sup></b>	<b>Black (ready):</b> As fast as 19 sec; <b>Color (ready):</b> As fast as 24 sec
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 600 rendered dpi (when printing from a computer); <b>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 technology</b>	HP Thermal Inkjet
<b>Ink types</b>	Dye-based (color); pigment-based (black)
<b>Print cartridges number</b>	2 (1 black, 1 Tri-color [cyan, magenta, yellow])
<b>Mobile printing capability<sup>2</sup></b>	Features wireless direct and local Wi-Fi connectivity to enable mobile printing via HP ePrint, Apple AirPrint™ as well as other solutions. Supports printing from most smartphones and tablets using these operating systems: Android, iOS, Blackberry, Symbian, Windows 8, Windows RT
<b>HP Auto Wireless Connect</b>	Yes
<b>HP ePrint Capability</b>	Yes
<b>Borderless printing</b>	Yes (up to 8.5 x 11 in, 216 x 297 mm)
<b>Standard print languages</b>	HP PCL 3 GUI
<b>Scan type</b>	Flatbed
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 1200 x 2400 ppi; <b>Optical:</b> Up to 2400 x 2400 dpi
<b>Scan technology</b>	CIS
<b>Scan file format</b>	PDF, BMP, PNG, TIF, JPG
<b>Scan input modes</b>	Front-panel scan, Front-panel copy, HP Scan software
<b>Scan size maximum</b>	<b>Flatbed:</b> 8.5 x 11.7 in (216 x 297 mm)
<b>Twain version</b>	Version 1.9
<b>Bit depth/Grayscale levels</b>	24-bit/256
<b>Copy speed<sup>3</sup></b>	<b>ISO speeds:</b> Up to 6 cpm black; Up to 4 cpm color; <b>Normal speeds (letter):</b> Up to 6 cpm black; Up to 4 cpm color
<b>Copy resolution</b>	<b>Black (text and Graphics):</b> 600 x 600 dpi; <b>Color (text and graphics):</b> 600 x 1200 dpi
<b>Max number of copies</b>	Up to 20 copies
<b>Copier reduce/enlarge</b>	25 to 400%
<b>Copier settings</b>	Start Black Copy; Start Color Copy; Number of copies, 2-sided; Paper type; Resize; ID Card Copy; Lighter/Darker
<b>Digital sending standard features</b>	Scan to email [via printer control app]; From software: Scan to file; Scan to email features
<b>Network ready</b>	Standard (built-in WiFi 802.11b/g/n)
<b>Standard connectivity</b>	1 Hi-Speed USB 2.0; 1 WiFi 802.11n
<b>Wireless capability</b>	Yes
<b>Direct Print Support Capability</b>	Wireless direct printing.
<b>Memory</b>	32MB DDR1 Memory
<b>Processor speed</b>	360 MHz
<b>Duty cycle (monthly)<sup>4</sup></b>	Up to 1000 pages
<b>Recommended monthly page volume<sup>5</sup></b>	100 to 400 pages
<b>Paper handling</b>	<b>Input capacity:</b> Up to 100 sheets, Up to 100 sheets legal, Up to 40 cards, Up to 40 sheets transparencies, Up to 10 envelopes, Up to 30 sheets (4 X 6 Photo); <b>Output capacity:</b> 30-sheet output tray, Up to 30 sheets legal, Up to 5 envelopes, Up to 10 sheets photo paper
<b>Media type</b>	Paper (plain, inkjet, photo), envelopes, transparencies, labels, cards, the HP premium media, iron-on transfers, borderless media
<b>Media weight</b>	16 lb to 24 lb (64 to 90 g/m <sup>2</sup> )

<b>Media sizes custom</b>	3 x 5 to 8.5 x 14 in (76 x 127 to 216 x 356 mm)
<b>Dimensions</b>	17.52 x 13.17 x 5.04 in (445.2 x 334.5 x 127.9 mm); <b>Maximum:</b> 17.52 x 23.94 x 15.35 in (445 x 608 x 390 mm)
<b>Weight</b>	12.32 lb (5.49 kg)
<b>What's in the box</b>	HP ENVY 4500 e-All-in-One; HP 301 Black Ink Cartridge (~190 pages); HP 301 Tri-color Ink Cartridge (~165 pages); Software CD; Setup Guide; power cord; [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 <a href="http://hp.com/go/learnaboutsups">hp.com/go/learnaboutsups</a> ]
<b>Software included</b>	HP Photo Creations
<b>Replacement cartridges</b>	HP 61 Black Ink Cartridge (~190 pages) HP 61 Tri-color Ink Cartridge (~165 pages) HP 61XL Black Ink Cartridge (~480 pages) HP 61XL Tri-color Ink Cartridge (~330 pages) [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 <a href="http://www.hp.com/go/learnaboutsups">www.hp.com/go/learnaboutsups</a> ]
<b>Warranty features</b>	One-year limited hardware warranty; 24-hour, 7 days a week phone support
<b>Compatible operating systems</b>	Windows 8, Windows 7, Windows Vista, Windows XP SP3 or higher (32-bit only); Mac OS X v10.6, Lion, Mountain Lion
<b>Minimum system requirements</b>	<b>PC:</b> Windows 8, 7: 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Windows Vista: 800 MHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Windows XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 750 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 6; <b>Mac:</b> OS X v10.6, OS X Lion, OS X Mountain Lion; Intel® Core™ Processor; 1 GB available hard disk space; CD-ROM/DVD or Internet; USB
<b>Display</b>	5 cm (2.0") Hi-Res Mono LCD
<b>Power</b>	<b>Power supply required:</b> 100-240 V (+/-10%), 50/60 Hz (+/- 3 Hz) <b>Power supply type:</b> Built-in Universal Power Supply <b>Power consumption:<sup>6</sup></b> 13.07 watts (printing), 2.51 watts (ready), 0.70 watts (sleep), 0.20 watts (off)
<b>Acoustic</b>	<b>Acoustic power emissions:</b> 6.4 B(A) (printing at 6 PPM) <b>Acoustic pressure emissions:</b> 51 dB(A) (printing at 6 PPM)
<b>Operating environment</b>	<b>Operating temperature range:</b> 41 to 104° F (5 to 40° C) <b>Recommended operating temperature:</b> 59 to 87° F (15 to 32° C) <b>Storage temperature range:</b> -40 to 140° F (-40 to 60° C) <b>Non-Operating humidity range:</b> 10 to 90% RH (non condensing) <b>Operating humidity range:</b> 15 to 80% RH (non-condensing) <b>Recommended humidity operating range:</b> 20 to 80% RH
<b>HP services and support options</b>	HP 2 Year Care Pack Business Priority Support with NBD Exchange, U6M26E HP 3 Year Care Pack Business Priority Support with NBD Exchange, U6M27E HP 4 Year Care Pack Business Priority Support with NBD Exchange, U6M28E
<b>Electromagnetic emission standard</b>	CISPR 22: Ed:5 2005 +A1: 2005/ EN 55022:2006+ A1: 2007 Class B; CISPR 24:1997 + A1: 2001 + A2: 2002 / EN 55024: 1998 + A1: 2001 + A2: 2003; EN 301 489-1 v1.8.1: 2008, EN 301 489-17 v2.1.1: 2009; IEC 61000-3-2: 2005 + A1: 2008 + A2: 2009/ EN 61000-3-2: 2006 + A1:2009 + A2:2009; IEC 61000-3-3: 2008 / EN 61000-3-3: 2008; FCC CFR 47 Part 15 Class B/ICES-003, issue 5 Class B; VCCI V-3/2011.04
<b>Safety approvals and requirements</b>	IEC 950-compliant; EU LVD and EN 60950 compliant; Nemko approved; certified by Canada CSA; Singapore PSB; Taiwan BSMI; EU CE, Japan VCCI, Kore KCC
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified

## For more information visit our website at [www.hp.com](http://www.hp.com)

HP Envy 4500 e-All-in-One Printer Product Number: A9T80A

ENERGY STAR® qualified models; see <http://www.hp.com/go/energystar>.

<sup>1</sup>Either after first page or after first set of ISO test pages. For details see [www.hp.com/go/printerclaims](http://www.hp.com/go/printerclaims). <sup>2</sup>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 [hponconnected.com](http://hponconnected.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. <sup>3</sup>Speed specifications have been updated to reflect current industry testing methods. <sup>4</sup>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. <sup>5</sup>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. <sup>6</sup>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.

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