



Envy 4502 e-All-in-One Printer

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

- ISO speed:**⁷ 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:**⁸ Up to 6 cpm black, Up to 4 cpm color
- Standard connectivity:** 1 Hi-Speed USB 2.0; 1 WiFi 802.11n
- Duty cycle:**⁹ 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.²
- Inspire life with every print—HP Printables deliver news, fun, and savings directly to your printer.³

Print wirelessly from virtually anywhere¹

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

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.⁵
- Designed to conserve—save energy, using a printer that's ENERGY STAR[®] qualified.
- Small effort, big impact. Count on easy, free cartridge recycling through HP Planet Partners.⁶



¹Requires 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. 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. ²HP 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. ³Requires 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. ⁴Mobile 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. ⁵High-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. ⁶Program 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. ⁷Either after first page or after first set of ISO test pages. For details see www.hp.com/go/printerclaims. ⁸Speed specifications have been updated to reflect current industry testing methods. ⁹Duty 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 4502 e-All-in-One Printer

TECHNICAL SPECIFICATIONS

AIO functions	Print, copy, scan, photo
AIO multitasking supported	No
Duplex print options	Automatic (standard)
Print speed¹	ISO speeds: Up to 8.8 ppm black, Up to 5.2 ppm color Draft speeds: Up to 21 ppm black, Up to 17 ppm color
First page out¹	Black (ready): As fast as 19 sec; Color (ready): As fast as 24 sec
Print resolution	Black (best): Up to 1200 x 600 rendered dpi (when printing from a computer); 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 technology	HP Thermal Inkjet
Ink types	Dye-based (color); pigment-based (black)
Print cartridges number	2 (1 black, 1 Tri-color [cyan, magenta, yellow])
Mobile printing capability²	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
HP Auto Wireless Connect	Yes
HP ePrint Capability	Yes
Borderless printing	Yes (up to 8.5 x 11 in, 216 x 297 mm)
Standard print languages	HP PCL 3 GUI
Scan type	Flatbed
Scan resolution	Hardware: Up to 1200 x 2400 ppi; Optical: Up to 2400 x 2400 dpi
Scan technology	CIS
Scan file format	PDF, BMP, PNG, TIF, JPG
Scan input modes	Front-panel scan, Front-panel copy, HP Scan software
Scan size maximum	Flatbed: 8.5 x 11.7 in (216 x 297 mm)
Twain version	Version 1.9
Bit depth/Grayscale levels	24-bit/256
Copy speed³	ISO speeds: Up to 6 cpm black; Up to 4 cpm color; Normal speeds (letter): Up to 6 cpm black; Up to 4 cpm color
Copy resolution	Black (text and Graphics): 600 x 600 dpi; Color (text and graphics): 600 x 1200 dpi
Max number of copies	Up to 50 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Start Black Copy; Start Color Copy; Number of copies, 2-sided; Paper type; Resize; ID Card Copy; Lighter/Darker
Digital sending standard features	Scan to email [via printer control app]; From software: Scan to file; Scan to email
Direct Print Support Capability	Wireless direct printing
Network ready	Standard (built-in, WiFi 802.11b/g/n)
Standard connectivity	1 Hi-Speed USB 2.0; 1 WiFi 802.11n
Wireless capability	Yes
Wireless direct printing	Wireless direct printing, Memory card slot
Memory	32MB DDR1 Memory
Processor speed	360 MHz
Duty cycle (monthly)⁴	Up to 1000 pages
Recommended monthly page volume⁵	300 to 400 pages
Paper handling	Input capacity: 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); Output capacity: 30-sheet output tray, Up to 30 sheets legal, Up to 5 envelopes, Up to 10 sheets photo paper

For more information visit our website at www.hp.com

HP Envy 4502 e-All-in-One Printer Product Number: A9T85A
ENERGY STAR® qualified models; see <http://www.hp.com/go/energystar>.

¹Either after first page or after first set of ISO test pages. For details see www.hp.com/go/printerclaims. ²Wireless 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 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. ³Speed specifications have been updated to reflect current industry testing methods. ⁴Duty 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. ⁵HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement. ⁶Power 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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Media type	Paper (plain, inkjet, photo), envelopes, transparencies, labels, cards, the HP premium media, iron-on transfers, borderless media
Media weight	16 lb to 24 lb (64 to 90 g/m ²)
Media sizes custom	3 x 5 to 8.5 x 14 in (76 x 127 to 216 x 356 mm)
Dimensions	17.52 x 13.15 x 4.72 in (445 x 334 x 120 mm); Maximum: 17.52 x 23.94 x 15.35 in (445 x 608 x 390 mm)
Weight	12.32 lb (5.49 kg)
What's in the box	HP Envy 4502 e-All-in-One; HP 61 Black Ink Cartridge; HP 61 Tri-color Ink Cartridge; Software CD; Setup Poster; power cord. For ink volume and page yield information, visit www.hp.com/go/learnaboutsupplies .
Software included	HP Photo Creations; Includes flyer with SW download code for Hallmark Card Studio Select 6 (in 1H5 option only)
Replacement cartridges	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 www.hp.com/go/learnaboutsupplies]
Warranty features	One-year limited hardware warranty; 24-hour, 7 days a week phone support
Compatible operating systems	Windows 8, Windows 7, Windows Vista, Windows XP SP3 or higher (32-bit only); Mac OS X v10.6, Lion, Mountain Lion
Minimum system requirements	PC: 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; Mac: Mac 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
Display	5 cm (2.0") Hi-Res Mono LCD
Power	Power supply required: 100-240 V (+/-10%), 50/60 Hz (+/- 3 Hz) Power supply type: Built-in Universal Power Supply Power consumption: 13.07 watts (printing), 2.51 watts (ready), 0.70 watts (sleep), 0.20 watts (off)
Software included	Includes flyer with SW download code for Hallmark Card Studio Select 6 (in 1H5 option only)
Acoustic	Acoustic power emissions: 6.4 B(A) (printing at 6 PPM) Acoustic pressure emissions: 51 dB(A) (printing at 6 PPM)
Operating environment	Operating temperature range: 41 to 104° F (5 to 40° C) Recommended operating temperature: 59 to 87° F (15 to 32° C) Storage temperature range: -40 to 140° F (-40 to 60° C) Non-Operating humidity range: 10 to 90% RH (non condensing) Operating humidity range: 15 to 80% RH (non-condensing) Recommended humidity operating range: 20 to 80% RH
HP services and support options	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 HP Basic Installation Service for one consumer printer with wireless capability, US284E HP Premium Installation Service with wireless network setup for up to three PCs and/or printers, US285E
Electromagnetic emission standard	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
Safety approvals and requirements	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
Energy Efficiency Compliance	ENERGY STAR® qualified

