



ENVY 110

e-All-In-One

Cutting-edge design and premier printing—plus lab-quality photos in a touch. This wireless, Web-connected e-all-in-one with a large touchscreen fits perfectly almost anywhere in the home, and offers a variety of mobile printing solutions.^{3, 5}

ISO Speed¹: Up to 7 ppm black, Up to 4 ppm color
Scan Resolution: Up to 1200 x 1200 dpi; **Scan Type:** Flatbed
Copy Speed: Up to 30 cpm black, Up to 25 cpm color
Standard Connectivity: 1 USB 2.0, 1 WiFi 802.11b/g/n
Paper Handling: 80-sheet input tray, 25-sheet output tray
Monthly Volume (Duty Cycle): Up to 1,000 pages
Features: Wireless, Memory card slot, Web connect, HP ePrint, 3.45" (8.9-cm) touchscreen CGD
Borderless Printing: Up to 8.5 x 11 in, 216 x 279 mm



Stylish innovation with a premium print experience

- An innovative complement to your home—touch the high-resolution display to print in an entirely new way.
- Keep the peace in any room—low-noise acoustics minimize printer sounds for quiet print performance.
- No visible paper tray, no problem—the tray extends and retracts so your printer maintains its sleek style.
- Conveniently connect to your wireless network using HP Auto Wireless Connect.²

Complete versatility and photo printing in one

- Print photos, make copies, scan reprints, produce prints from the Web and use eFax[®] to fax without a phone line.⁹
- Produce long-lasting photo results—print durable, lab-quality photos, using Original HP inks.¹¹
- Save time and paper by printing two-sided documents automatically.
- Choose high-capacity ink cartridges or HP Photo Value Packs for a better value with frequent printing.^{4, 12}

On-the-go printing and Web-connected convenience

- Easily print photos and documents while on the go. With HP ePrint, if you can e-mail it, you can print it.⁵
- Now with AirPrint[™]. Simply print wirelessly from your iPad[®], iPhone[®] or iPod touch[®].⁶
- Use free apps on the touchscreen to print without a PC—even control your printer from a mobile device.⁸
- Easily print from your smartphone while away from home, using HP mobile print applications.⁷

Outstanding paper savings, easy energy savings

- Consume up to 50% less paper, using automatic two-sided printing.
- Save energy, using an e-all-in-one that is ENERGY STAR[®] qualified.
- Get free cartridge recycling through HP Planet Partners¹⁰.
- Reduce your impact—this HP Envy product is shipped in a reusable tote that replaces a plastic bag.

¹Either after first page or after first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims>. ²HP Auto Wireless Connect may not be available for all system configurations. Wireless performance is dependent upon physical environment and distance from access point. For information on compatibility, visit <http://www.hp.com/go/autowirelessconnect>. ³Based on paper-industry predictions for acid-free papers and Original HP inks; colorant stability data at room temperature based on similar systems tested per ISO 11798 and ISO 18909. ⁴Compared with the HP 60 Black and Tri-color Ink Cartridges. For more information, see <http://www.hp.com/go/learnabouteink>. High-capacity cartridges not included; please purchase separately. ⁵Requires an Internet connection to the printer. Feature works with any Internet- and e-mail-capable device. Print times may vary. For a list of supported documents and image types, see <http://www.hp.com/go/eprintcenter>. ⁶Supports iOS 4.2 and later devices (iPad[®], iPhone[®] 4, iPhone[®] 3GS, and 3rd and 4th generation iPod touch[®]) that support multitasking. Works with HP ePrint-enabled printers and all-in-ones. AirPrint[™] and iOS 4.2 and later devices require an 802.11 "wireless network" connection to the printer. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint and the AirPrint Logo are trademarks of Apple[®] Inc. iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. ⁷Requires access to third-party app stores. See <http://www.hp.com/go/mobile-printing-solutions> for details on compatible devices. ⁸Requires a wireless access point and an Internet connection to the printer. Services may require registration. App availability varies by country, language and agreements. For details, <http://www.hp.com/go/eprintcenter>. ⁹Web-based fax service requires an Internet connection to the printer and registration with third-party service. Includes up to 20 inbound pages and 20 outbound pages per month. Additional terms and restrictions apply, see <http://www.hp.com/support>. ¹⁰Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries and territories around the world through the HP Planet Partners program. For more information, or to request return envelopes and bulk collection boxes, visit <http://www.hp.com/recycle>. ¹¹Display-permanence rating by Wilhelm Imaging Research, Inc., or HP Image Permanence Lab. For details, see <http://www.hp.com/go/printpermanence>. ¹²Not included; please purchase separately.

TECHNICAL SPECIFICATIONS

AIO FUNCTIONS	Print, eFax [®] , scan, copy, Web
AIO MULTITASKING SUPPORTED	Yes
PRINT SPEED¹	ISO Speed: Up to 7 ppm black, Up to 4 ppm color Maximum Print Speed: Up to 30 ppm black, Up to 25 ppm color Color Photo (Best, Photo Paper, 4x6 in): As fast as 70 sec
PRINT RESOLUTION	Black: Up to 1200 dpi (Best mode); Color: Up to 4800 x 1200 optimized dpi (from 1200 dpi input data when printing from a computer on photo paper in maximum dpi mode)
STANDARD PRINTER LANGUAGES	HP PCL 3 GUI
PRINT TECHNOLOGY	HP Thermal Inkjet
BORDERLESS PRINTING	Yes (up to 8.5 x 11 in, 216 x 279 mm)
DIRECT PRINT SUPPORTED	Yes (memory cards)
DUPLIX PRINT OPTIONS	Automatic (standard)
NUMBER OF PRINT CARTRIDGES	2 (1 black, 1 Tri-color [cyan, magenta, yellow])
PRINT HEAD NOZZLES	336 for black, 1248 for Tri-color
INK TYPES	Dye-based (color), pigment-based (black)
HP AUTO WIRELESS CONNECT	Yes
MOBILE PRINTING CAPABILITY	HP ePrint, HP webOS printing (TouchPad only), Apple AirPrint™
COLOR SCANNING	Yes
SCAN TYPE	Flatbed
SCAN TECHNOLOGY	Contact Image Sensor (CIS)
TWAIN VERSION	Version 1.9
SCAN RESOLUTION	Hardware: Up to 1200 x 1200 dpi Optical: Up to 1200 dpi
SCAN SIZE (MAXIMUM)	8.5 x 11.69 in (216 x 297 mm)
SCAN FILE FORMAT	JPEG, BMP, PNG, TIFF, PDF
BIT DEPTH/GRAYSACLE LEVELS	24-bit/256
COPY RESOLUTION	Black (Text & Graphics): Up to 600 dpi from 300 dpi input (Normal mode); Color (Text & Graphics): Up to 600 dpi from 300 dpi input (Normal mode)
COPY SPEED²	Laser Comparable Speeds: Up to 6 cpm black, Up to 3.5 cpm color Black (Draft, Letter): Up to 30 cpm; Color (Draft, Letter): Up to 25 cpm
MAXIMUM NUMBER OF COPIES	Up to 50 copies
COPIER REDUCE AND ENLARGE	50 to 400%
COPIER SETTING	Stand-alone copying
DUTY CYCLE (MONTHLY)	Up to 1,000 pages
eFax^{®6}	Yes with eFax [®] . Data transfer rates dependent on Internet connection/speeds
eFax[®] RESOLUTION	Black (Best): Up to 200 x 200 dpi; Color (Fine): Up to 200 x 200 dpi
eFax[®] FEATURES	PC Interface Supported: Yes, requires online registration; Remote Retrieval Capability: Yes; Fax Auto-redialing: No
CAMERA PHONE SUPPORTED	Yes, From memory cards
STANDARD CONNECTIVITY	1 USB 2.0, 1 WiFi 802.11b/g/n
WIRELESS CAPABILITY	Yes, wireless operations compatible with 2.4 GHz routers only
DISPLAY	3.45" (8.9-cm) touchscreen CGD
MAXIMUM/STANDARD MEMORY	512 MB
MEMORY CARD COMPATIBILITY	Memory stick duo; Secure Digital/Multimedia card

MEDIA WEIGHT RECOMMENDED (IMPERIAL)	20 lb (75 to 300 g/m ²) Up to 80 lb for photo media
MEDIA TYPES	Paper (plain, inkjet, photo), envelopes, transparencies, labels, cards, the HP premium media, iron-on transfers, borderless media
MEDIA SIZES SUPPORTED (IMPERIAL)	Letter, executive, cards, 4 x 6 in
CUSTOM MEDIA SIZES	3 x 5 to 8.5 x 11.69 in (77 x 127 to 215 x 297 mm)
PAPER HANDLING	80-sheet input tray, 25-sheet output tray; Input Capacity: Up to 20 sheets label, Up to 10 envelopes, Up to 40 cards, Up to 30 sheets photopaper; Output Capacity: Up to 10 sheets label, Up to 5 envelopes, Up to 10 cards
POWER³	Power Supply Type: Internal (AC to DC); Power Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Power Consumption: 26 watts maximum, 23 watts active, 3.5 watts sleep, 7.1 watts standby, 0.53 watts manual-off
SOFTWARE INCLUDED	HP Photo Creations
COMPATIBLE OPERATING SYSTEMS	Microsoft [®] Windows [®] 7, Windows Vista [®] , Windows [®] XP (SP3)* or higher (32-bit only), Mac OS X v 10.5, v 10.6 or v 10.7
MINIMUM SYSTEM REQUIREMENTS	PC: Microsoft [®] Windows [®] 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 compatible processor, 233 MHz or higher, 512 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 6 or higher; Mac: Mac OS X v 10.5, v 10.6 or v 10.7: PowerPC G4, G5 or Intel [®] Core™ Processor, 500 MB available hard disk space, CD-ROM/DVD drive, Internet browser, USB port
ACOUSTIC	Acoustic Power Emissions: 5.7 B(A) (printing at 5.5 ppm) Acoustic Pressure Emissions: 44 dB(A) (printing at 5.5 ppm)
OPERATING TEMPERATURE	Operating Temperature Range: 41 to 104° F (5 to 40° C) Recommended Operating Temperature: 59 to 90° F (15 to 32° C) Storage Temperature Range: -40 to 140° F (-40 to 60° C) Operating Humidity Range: 15 to 80% RH (non-condensing) Recommended Humidity Operating Range: 25 to 75% RH (non-condensing) Non-operating Humidity Range: 5 to 90% RH (non-condensing)
PRODUCT DIMENSIONS	W x D x H: 16.8 x 13.25 x 4 in (427 x 336 x 102 mm)
PRODUCT WEIGHT⁴	15.98 lb (7.25 kg)
WHAT IS IN THE BOX⁷	HP Envy 110 e-All-in-One (D411a), HP 60 Black Ink Cartridge, HP 60 Tri-color Ink Cartridge, Software CD, Reference Guide, power cord, Reusable Tote.
WARRANTY	With services, software, solutions and support from HP Total Care, you can use, protect and enjoy your HP Technology. Comes with one-year technical phone support, one-year limited hardware warranty and access to 24/7 award-winning support services. ⁸
HP SERVICES AND SUPPORT OPTIONS	HP 2 year Care Pack w/Next Day Exchange for Printers UG605E HP 3 year Care Pack w/Next Day Exchange for Printers UG608E HP 4 year Care Pack w/Next Day Exchange for Printers UH609E
REPLACEMENT CARTRIDGES⁵	HP 60 Black Ink Cartridge, CC640WN, (~ 200 pages) HP 60 Tri-color Ink Cartridge, CC643WN, (~ 160 pages) HP 60XL Black Ink Cartridge, CC641WN, (~ 600 pages) HP 60XL Tri-color Ink Cartridge, CC644WN, (~ 440 pages)

HP ENVY 110 e-All-In-One Product Number: CQ809A

¹Either after first page or after first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims>. ²Speed specifications have been updated to reflect current industry testing methods. ³Power 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. ⁴Weight varies as per configuration. ⁵Approximate yield. Actual yield depends on printer and specific use. See <http://www.hp.com/go/pageyield> for more information. ⁶ Web-based fax service requires an Internet connection to the printer and registration with third-party service. Includes up to 20 inbound pages and 20 outbound pages per month. Additional terms and restrictions apply, see <http://www.hp.com/support>. ⁷For ink volume and page yield information, visit <http://www.hp.com/go/learnaboutsupplies>. ⁸<http://www.hp.com/support>.

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