

Wireless, Print, Scan and Copy



HP ENVY 5020 All-in-One Printer

Get affordable prints and increased versatility. Set up, connect, and print right from your smartphone,¹ and produce high-quality photos and everyday documents with low-priced ink cartridges. Print, scan, and copy with ease.



Wireless connectivity you can count on

- Get simple Wi-Fi® setup in less than a minute, and start printing fast.³
- Have confidence in your connection with steady performance from dual band Wi-Fi.²
- Scan on the go, print from social media and the cloud, and easily order ink, with the HP Smart app.⁴
- Easily print from a variety of smartphones and tablets.¹



Low-priced ink, high-quality innovation

- Print all the photos and documents you need for a great value with HP's low-priced ink cartridges.
- Make an impression with Original HP ink cartridges – designed to deliver vivid color and crisp, sharp text.
- Create high-quality borderless photos and flyers – right in your home.



Quick and easy. Print. Scan. Copy.

- Print scan, and copy with fast speeds, and keep tasks moving.
- Speed through multipage print jobs with automatic two-sided printing.
- Create timesaving shortcuts and easily print, scan, and copy directly at the printer.

¹ For details on local printing requirements see hp.com/go/mobileprinting. ² Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at hp.com/go/mobileprinting. Wi-Fi is a registered trademark of Wi-Fi Alliance®. ³ Based on internal HP testing. Average timing estimate based on plugged-in printer and downloaded HP Smart app. Printer and mobile device must be able to connect to wireless network. Mobile device needs to support Bluetooth v4.0+ and be enabled. Performance varies depending on user network connection and other factors. For details on Bluetooth® Smart see hp.com/go/bleprinting. Bluetooth is a trademark owned by its proprietor and used by HP under license. For details on local printing requirements see hp.com/go/mobileprinting. ⁴ Requires the HP Smart app download. Features controlled may vary by mobile device operating system. Full list of supported operating systems and details at support.hp.com/us-en/document/c03561640. For details on local printing requirements see hp.com/go/mobileprinting.

Technical specifications

AIO functions	Wireless, Print, Scan and Copy
Print	
Technology	HP Thermal Inkjet
Speed ¹	Black: Up to 20 ppm (draft, A4); Up to 10 ppm (ISO); Colour: Up to 17 ppm (draft, A4); Up to 7 ppm (ISO); Colour Photo (normal, Photo Paper, 10x15 cm): As fast as 52 seconds
First page out (A4, ready) ²	Colour: As fast as 19 seconds; Black: As fast as 16 seconds
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)
Borderless printing	Yes (up to 216 x 297 mm)
HP ePrint capability	Yes
Mobile printing capability ³	Features wireless direct and local Wi-Fi connectivity to enable mobile printing via HP ePrint, Apple AirPrint™ as well as other solutions; Mopria-certified. Supports printing from most smartphones and tablets using these operating systems: Android, iOS, Blackberry, Symbian, Windows 8, Windows RT.
File formats	PDF; BMP; PNG; TIF; JPG
Scan	
Type	Flatbed
Technology	Contact Image Sensor (CIS)
Speed	3 ppm colour 7 ppm mono
Resolution ⁴	Enhanced/hardware: Up to 1200 x 1200 dpi
Max scanning size	Flatbed: 216 x 297 mm; ADF: 216 x 356 mm
Input modes	Front Panel, HP Scan software, Mobile app
Grayscale levels	256
Bit depth	24-bit
File format	RAW, JPEG, PDF
Copy	
Speed	Black: Up to 8 cpm (ISO); Colour: Up to 4 cpm (ISO)
Resolution	Black (text and Graphics): 600 x 300 dpi; Colour (text and graphics): 600 x 300 dpi
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
Display	5.58 cm (2.2") Capacitive touchscreen monochrome graphics
Processor speed	800 MHz
Media	
Duplex print options	Automatic (standard)
Supported sizes	A4; A5; B5; DL; C6; A6
Recommended weights	70 to 250 g/m ²
Supported media	A4: 75 to 90 g/m ² ; HP envelopes: 75 to 90 g/m ² ; HP cards: up to 200 g/m ² ; HP 10 x 15 cm photo paper: up to 250 g/m ²
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
Paper handling	Input: 100 sheets input tray; Output: 25-sheet output tray
Duty cycle ¹⁰	Up to 1,000 pages
Recommended monthly page volume ¹¹	100 to 400 pages
Memory	256 MB DDR3L Memory
Operating system compatibility	Microsoft® Windows® 10, 8.1, 8, 7; Windows Vista 64-bit; Windows Vista® 32-bit; OS X v10.10 Yosemite; OS X v10.11 El Capitan; macOS Sierra v10.12 (previously OS X); Windows® XP (32-bit) SP2; Windows Server 2008 32-bit (SP1 or greater); Windows Server 2008 64-bit (SP1 or greater); Windows Server 2008 R2 64-bit; Windows Server 2008 R2 64-bit (SP1); Windows Server 2012 64-bit; Windows Server 2012 R2 64-bit; Windows Server 2016
Minimum system requirements	PC: Microsoft® Windows 10, 8.1, 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, Microsoft® Internet Explorer.; Mac: OS X v10.10 Yosemite, OS X v10.11 El Capitan, OS X v10.12 Sierra, 1 GB HD, Internet
Connectivity	
Connectivity (Std)	1 Hi-Speed USB 2.0; 1 WiFi 802.11n (dual band)
Network capabilities	Yes, via dual band (2.4/5GHz) wireless 802.11b/g/n
Wireless capability	Yes
Supported network protocols	TCP/IP
Dimensions (W x D x H)⁵	445 x 367 x 128 mm
Weight⁶	5.41 kg
Environmental	
Operating environment	Operating temperature range: 5 to 40° C; Recommended operating temperature range: 15 to 32° C; Operating humidity range: 20 to 80% RH non-condensing; Non-operating humidity range: 20 to 80% RH non-condensing; Storage temperature range: -40 to 60° C
Acoustics	Acoustic Pressure Emissions: 51 dB(A)
Power specifications	Power supply type: Built-in Universal Power Supply; Power supply required: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Power consumption⁷: Up to 14 watts (Printing), 3.75 watts (Ready), 0.89 watts (Sleep), 0.11 watts (Off)
What's in the box	HP ENVY 5020 All-in-One; Setup cartridges; Ink Caution Flyer; Power Cord; Setup card; Getting started guide
Warranty	One-year limited hardware warranty; 24-hour, 7 days a week limited phone support

Ordering information

Number	Description
Z4A69A	HP ENVY 5020 All-in-One Printer
Replacement cartridges⁸	
Number	Description
N9K01AA	HP 65 Tri-colour Original Ink Cartridge (~100 pages)
N9K02AA	HP 65 Black Original Ink Cartridge (~120 pages)
N9K03AA	HP 65XL Tri-colour Original Ink Cartridge (~300 pages)
N9K04AA	HP 65XL Black Original Ink Cartridge (~300 pages)

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 gsm
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 gsm

Please visit hp.com/apac/paper for more details.

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Number	Description
UG063E	HP 3-year Next Business Exchange Multifunction Printer - M SVC
UG458E	HP 3-year Onsite Exchange Multifunction Printer - M SVC
UG338E	HP 3-year Pickup Return Multifunction Printer - M SVC
UG236E	HP 3-year Return Multifunction Printer - M SVC

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HP SureSupply⁹

Discover how HP SureSupply redefines convenience in purchasing printer cartridge supplies online.

To order online, please visit hp.com/apac/oac for more details.⁹



¹ Speed specifications have been updated to reflect current industry testing methods.

² Either after first page or after first set of ISO test pages. For details see hp.com/go/printerclaims

³ Wireless performance is dependent upon physical environment and distance from the access point. Wireless operations are compatible with 2.4 and 5GHz routers; 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.

⁴ The maximum dpi at which you can scan is limited by available computer memory, disk space and other system factors.

⁵ Dimensions vary as per configuration

⁶ Weight varies as per configuration

⁷ Power measurements are based on ENERGY STAR® OM test procedure with 230 VAC, 50 Hz input.

⁸ Approximate yield. Actual yield depends on printer and specific use. See hp.com/go/pageyield for more information.

⁹ Available in selected countries only.

¹⁰ 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.

¹¹ 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

