Wireless, Print, Fax, Scan, Copy and Photo

HP ENVY Photo 7820
All-in-One Printer

Get productive performance and photos that shine with powerful all-in-one capabilities. Produce authentic colour's, and set up, connect, and print right from your mobile device.[1]

True-to-life photos

- Count on Original HP Ink to deliver lifelike colours and rich blacks time after time.

- Create stunning borderless photos and flyers – right in your home.

The power of your printer in the palm of your hand

- Printing photos just got easier – from social media, the cloud, and your camera-roll gallery.[2]

- Amazing scanning, now on your smartphone. Scan and share to email or the cloud – from virtually anywhere.[2]

- Ordering ink has never been easier – directly through the app.[2]

- Easily print photos and everyday documents directly from your smartphone or tablet.[1]

A new level of wireless connectivity you can count on

- Get simple Wi-Fi® setup in minutes, and start printing fast.[3]

- Have confidence in your connection with steady performance from dual band Wi-Fi®.[4]

HP's most productive printer for home

- Simply insert an SD or USB card, then view, edit, and print photos quickly.

- Easily print, copy, scan, and fax, with a seamless, smartphone-style 6.75 cm colour touchscreen.

- Dedicated paper trays automatically match print settings to paper type.

- Breeze through tasks, using the 35-page automatic document feeder.

Technical specifications

AIO functions	Wireless, Print, Fax, Scan, Copy and Photo
Print	
Technology	HP Thermal Inkjet
Speed[1]	**Black:** Up to 22 ppm (draft, A4); Up to 15 ppm (ISO, laser-comparable); **Colour:** Up to 21 ppm (draft, A4); Up to 10 ppm (ISO, laser-comparable); **Colour Photo (normal, Photo Paper, 10x15 cm):** As fast as 40 seconds
First page out (A4, ready)[2]	**Black:** As fast as 16 seconds; **Colour:** As fast as 18 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 Print in Max dpi)
Borderless printing	Yes (up to 216 x 297 mm)
HP ePrint capability	Yes
Mobile printing capability[3]	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing
File formats	PDF; BMP; PNG; TIF; JPG
Scan	
Type	Flatbed
Technology	Contact Image Sensor (CIS)
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 or HP Solution Center desktop scanning to computer, SD card, thumbdrive or E-mail
Grayscale levels	256
Bit depth	24-bit
File format	RAW, JPEG, PDF
Copy	
Speed	**Black:** Up to 21 cpm (A4); Up to 13 cpm (ISO, laser-comparable); **Colour:** Up to 19 cpm (A4); Up to 5 cpm (ISO, laser-comparable)
Resolution	**Black (text and Graphics):** 300 x 300 dpi; **Colour (text and graphics):** 600 x 600 dpi
Max copies	Up to 50 copies
Copier reduce/enlarge	25 to 400%
Fax	
Resolution	**Black (standard):** 98 x 208 dpi; **Colour (standard):** 200 x 208 dpi
Transmission speed[5]	33.6 kbps (fast), 14.4 kbps (medium), and 9.6 kbps (slow)
Memory[6]	Up to 100 pages in black and white
Fax features	**Faxing:** Yes, colour; **Faxing options (ADF):** Single-sided; **Auto-Redialling:** Yes; **Fax delayed sending:** Yes (black only); **Distinctive ring detection supported:** Yes; **Fax forwarding supported:** Yes; **Fax polling supported:** No; **Auto fax reduction supported:** Yes; **Fax telephone mode supported:** Yes; **Junk barrier supported:** Yes, requires Caller ID; **Telephone handset supported:** No
Display	6.75 cm (2.65") Capacitive touchscreen colour graphics
Processor speed	1.2 GHz
Media	
Duplex print options	Automatic
Duty cycle (monthly, A4)[7]	Up to 1,000 pages
Recommended monthly page Volume[8]	300 to 400 pages
Supported sizes	A4; A5; B5; DL; C6; A6
Recommended weights	70 to 90 g/m²
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
Memory	256 MB DDR3
Operating system compatibility	Windows 10 (32-bit and 64-bit), Windows 8.1 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows XP (32-bit) (Professional and Home Editions); Mac OS X v 10.8, v 10.9 or v 10.10; (For more information, see hplipopensource.com/hplip-web/index.html).
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. Windows Vista®: 800 MHz 32-bit (x86) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows Vista x64 has been removed from support on the CD & Web packs. Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher; **Mac:** OS X v10.10 Yosemite, OS X v10.11 El Capitan , OS X v10.12 Sierra, 1 GB HD, Internet
Connectivity	
Connectivity	1 USB 2.0 client and 1 USB host (for thumbdrive); 1 Wi-Fi 802.11b/g/n; 1 Ethernet; 1 RJ-11 (Fax), dual band wifi 2.4/5Ghz, BLE,SD card slot
Network capabilities	Yes, via built-in Ethernet, dual band (2.4/5GHz) wireless 802.11b/g/n
Wireless capability	Yes, built-in Ethernet, dual band Wi-Fi 802.11b/g/n
Supported network protocols	IPv4, IPv6, Bonjour, Custom Raw Port/Port9100, mDNS, Embedded Web Server, Wireless Network Supported, SLP, WS-Print, Wireless b/g/n, WEP/WPA (AES), SNMP, Internet Printing Protocol, Bluetooth LE
Dimensions (W x D x H)	453.5 x 410.0 x 193.2 mm
Weight	7.60 kg
Environmental	
Operating environment	**Operating temperature range:** 5 to 40° C ; **Recommended operating temperature range:** 15 to 32° C ; **Operating humidity range:** 15 to 80% RH (non-condensing) ; **Non-operating humidity range:** 10 to 90% RH (non condensing) ; **Recommended operating humidity range:** 20 to 80% RH; **Storage temperature range:** -40 to 60° C
Acoustic	**Acoustic power emissions:** 6.5 B(A) (copy mono, simplex, normal mode @9ppm); **Acoustic pressure emissions:** 57 dB(A) (Print mono, simplex , normal mode A4 @10ppm)
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 consumption[9]:** 13.95 watts (printing), 3.60 watts (ready), 0.93 watts (sleep), 0.20 watts (off)
What's in the box	HP ENVY Photo 7820 All-in-One Printer; Setup cartridges; Ink Caution Flyer; Power Cord; USB Cable; Setup card; Getting started guide; Media Pack
Warranty	One-year limited hardware warranty; 24-hour, 7 days a week limited phone support

Ordering information

Number	Description
K7S09D	HP ENVY Photo 7820 All-in-One Printer

Replacement cartridges[10]

Number	Description
T6N10AA	HP 804 Black Original Ink Cartridge (~200 pages)
T6N09AA	HP 804 Tri-colour Original Ink Cartridge (~165 pages)
T6N12AA	HP 804XL High Yield Black Original Ink Cartridge (~600 pages)
T6N11AA	HP 804XL High Yield Tri-colour Original Ink Cartridge (~415 pages)

Recommended Papers[11]

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 gsm
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 gsm
K6B83A	Social Media Snapshots, 4 x 5 inch, 25 sheets, sticky back (AU, NZ, SG, TW, HK and PH only)

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 SureSupply[11]

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

To order online, please visit hp.com/apac/oac for more details.[11]

ENERGY STAR   Windows 10   Windows 8   Mac   USB   ePrint

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[1] ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see hp.com/go/printerclaims

[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] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

[6] Speed specifications have been updated to reflect current industry testing methods.

[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 Color 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

[9] 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.

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

[11] Available in selected countries only.