

HP Photosmart 8450

Photo Printer



With the expanded color palette of HP's 8-ink color or up to 4800-optimized dpi¹ color printing, HP raises the bar in photo-quality printing. Easily view and edit using large 2.5-inch color image display, and print studio-quality color and black-and-white photos. Print photos without a computer using memory card slots, the HP Photo Proof Sheet, or directly from PictBridge-enabled cameras using printer's front USB port. Or, use the easy Save-to-PC feature to save photos to your computer. Plus, print a 4 x 6-inch

photo as fast as 27 seconds² and crisp black text and color up to 20 ppm. Enjoy your own digital darkroom—add textures and more for artistic expression. Enhance and fix your photos with easy retouching for personalized results with HP Image Zone Software—for studio-quality photos that resist fading for generations.³ Conveniently share printer with other computers using network and print from select camera phones or other Bluetooth[®] wireless technology devices.⁴

¹ Up to 4800 x 1200-optimized dpi color when printing from a computer and 1200-input dpi

² When printing with borders from a computer

³ Based on HP light fade testing under glass using the HP 97 Tri-color and HP 99 Photo Inkjet Print Cartridges on HP Premium Plus Photo Papers.

⁴ Supports camera phones with Bluetooth wireless technology. Visit www.hp.com/support/bluetooth for a list of compatible devices

Studio-quality 8-ink color and black-and-white photos,
rich photo editing features, and networking

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Photo Printer

Studio-quality 8-ink color

- Make an impression every time you print with HP's studio-quality 8-ink color or up to 4800-optimized dpi¹ color printing. Enjoy HP's extended color palette to print color and black-and-white photos with high contrast and superior image detail.
- Personalize, enhance and retouch your photos with included photo software.
- Easily switch from 4 x 6-inch to letters-size printing using built-in paper trays.
- Print photos with or without borders on standard sizes of photo papers.
- Get more value from your printer—print studio-quality photos and crisp text.

Easy editing—large color display

- Make every photo look its best before you print with easy editing features. Using the large 2.5-inch image display and easy front panel editing buttons, select the photos you want, then rotate, crop, zoom, automatically remove red-eye, and print.
- Print the action without a computer—play your digital video clip on the printer's image display, freeze your favorite scene, and print it. Plus, print the entire video clip frame-by-frame, or print your digital video using the HP Photo Proof Sheet.

Photos with or without a computer

- Easily print photos directly from camera memory cards, the HP Photo Proof Sheet, or from PictBridge-enabled cameras using the printer's front USB port. Or, use the convenient Save-to-PC feature to easily save photos to your computer.
- Memory card slots support multiple formats, including CompactFlash™, Smart Media, Memory Stick®, Secure Digital/MultiMedia Card, and XD-Picture Card™.
- Print photos from camera phones or other Bluetooth® wireless technology devices²

Make memories last

- Studio-quality color and black-and-white photos that resist fading longer than traditionally processed photos³ with 8-ink color printing and HP Premium Plus Photo Papers—for bright, vivid prints that preserve your memories for generations.

Easy networking

- Enjoy the ease and convenience of Ethernet for simple print-sharing on a network. Share photo printing, access to camera memory cards, and saving photos to multiple computers.

Black-and-white photos

- Serious black-and-white photo enthusiasts can easily print gallery-quality images with richer, deeper blacks, multi-tone grays, whites and shadows.

Fast

- Why wait for your photos? Capture every memory and every moment with studio-quality photos you can print and share as fast as 27 seconds per page.⁴ Print fast black text and color, too, at speeds up to 20 ppm.
- Fast—printer prints up to 20 ppm in black and in color; prints up to 30 ppm in laser-quality black and up to 20 ppm in color with optional HP 96 black cartridge, sold separately.

Low on ink?

- HP SureSupply™ notifies you when it is time to replace your print cartridge and helps you purchase locally or via the internet.⁵

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³ Based on HP light fade testing under glass using the HP 97 Tri-color and HP 99 Photo Inkjet Print Cartridges on HP Premium Plus Photo Papers.

⁴ When printing with borders from a computer

⁵ Only available with genuine HP supplies; internet access required.

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Technical specifications

Print technology	HP Thermal Inkjet
Print resolution	Black: Up to 1200 x 1200-rendered dpi when printing from a computer; Color: Up to 4800 x 1200-optimized dpi when printing from a computer; Print resolution technology: HP PhotoREt Pro
Print speed*/draft mode	Black: Up to 20 ppm; Color: Up to 20 ppm; 4 x 6 color photo: As fast as 27 sec
Printer languages	HP PCL3 GUI, PML
Duty cycle (maximum monthly volume)	3000
Connectivity	1 USB (2.0), 1 Ethernet, 1 PictBridge, 4 memory card slots; Optional connectivity: HP Jetdirect 175x External USB Ethernet Print Server J6035C, HP Jetdirect ew2400 Wi-Fi 802.11g Print Server J7951A, HP Jetdirect en3700 Fast Ethernet Print Server J7942A, HP Jetdirect 380x 802.11b Wireless Print Server J6061A, HP bt300, Bluetooth® Wireless Printer Adapter Q3395A
Wireless technology/wireless capability	Bluetooth® wireless technology/Optional, with HP bt300, Bluetooth® Wireless Printer Adapter
Network capability	Built-in Ethernet or optional Wi-Fi 802.11b or g wireless with purchase of optional Jetdirect accessory
Memory card compatibility	CompactFlash™ Type I and II, Smart Media, Secure Digital, MultiMedia Card, Memory Stick®, xD™, USB flash drive
Direct print capability	Yes
HP Photo Proof Sheet supported	Yes
Display type	2.5-inch diagonal adjustable color image LCD
Front panel	Easy to use control panel with Save, HP Instant Share, Layout, Select photos, Print, Cancel, Zoom, Menu, Rotate buttons
Video action printing supported	Yes
Media handling	Input tray: 100-sheet paper tray, 20-sheet built-in photo tray; Optional input accessories: 250-sheet plain paper tray, two-sided printing accessory, two-sided print accessory with small paper tray; Output tray: 50-sheet; Input capacity: Up to 100 letter/legal (up to 350 with optional 250-sheet paper tray); up to 20 banner; up to 25 transparencies; up to 20 labels; up to 14 envelopes; up to 30 cards; Output capacity: Up to 50 letter/legal; up to 25 transparencies; up to 20 labels; up to 10 envelopes; up to 30 cards
Borderless print capability	Yes, 4 x 6 in, 8.5 x 11 in, 5 x 7 in, panorama
Media types	Paper (plain, inkjet, photo, banner), envelopes, transparencies, labels, cards (index, greeting), iron-on transfers
Media sizes	US letter, legal, executive, No. 10 envelopes, panorama, index cards, 4 x 6 photo, 5 x 7 photo, banner
Media weights	US letter: 16 to 24 lb; Legal: 20 to 24 lb; Envelopes: 20 to 24 lb; Cards: Up to 110 lb index maximum; Banner: 16 to 24 lb; Photo: Up to 130 lb index
Memory, standard	64 MB
Vertical alignment accuracy/skew	+/- .0002 in. (+/- .0508 mm); Plain paper skew: +/- 0.006 in; Transparency skew: +/- 0.010 in

*Dependent upon type, print mode, and approximate figures. Exact speed will vary depending on the system configuration, software program, and document complexity.

Compatible Operating Systems

Microsoft® Windows® 98, 2000 Professional, Me, XP Home and XP Professional, Mac® OS X v10.1.5, 10.2, 10.3

Compatible Network Operating Systems

Built-in Ethernet port: Microsoft Windows 98, Me, XP (TCP/IP); Macintosh OS X and later (EtherTalk)

Minimum system requirements

For all systems: 4x CD-ROM drive, SVGA monitor (800 x 600 with 16-bit color), USB port and USB cable (not included); **For PC systems:** Microsoft® Windows® 98, 2000 Professional, Me, XP Home and XP Professional, Pentium® II (or equivalent) or greater, 64 MB RAM (256 MB recommended), 600 MB free hard disk space (2 GB recommended), Microsoft® Internet Explorer 5.5 **For Macintosh® systems:** Mac® OS X v10.1.5, 10.2, 10.3, G3 processor or greater, 128 MB RAM (256 MB recommended), 500 MB free hard disk space

Dimensions (w x d x h)/weight

21.1 x 15.8 x 7.6 in (536 x 400.6 x 192.6 mm)/17.6 lb (8 kg)

Operating environment

Maximum operating temperature: 32 to 113° F (0 to 45° C); Recommended operating temperature: 59 to 95° F (15 to 45° C); Storage temperature: -22 to 149° F (-30 to 65° C); Recommended humidity range: 20 to 80% RH; Non-operating humidity range: 5 to 95% RH

Acoustics

Power emissions: 6.3 B(A); Pressure emissions: 50 dB(A)

Power requirements

Power supply type: external; **Input voltage:** 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption:** 9 watts (off), 11 watts (on, idle), 49 watts maximum

Warranty

One-year limited hardware warranty backed by HP Customer Care, service and support; one year technical phone support

This printer and its replacement cartridges are designated for sale in North America.

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Ordering information	Product number	Description	What's in the box?
HP Photosmart 8450	Q3388A	HP Photosmart 8450 Photo Printer	• HP Photosmart 8450 Photo Printer • HP 97 Tri-color Inkjet Print Cartridge, 14 ml • HP 99 Photo Inkjet Print Cartridge, 13 ml • HP 100 Gray Photo Inkjet Print Cartridge, 15 ml • Power supply • Power cord • Quick Start Booklet • User's Guide • CD-ROM with HP Image Zone Software for Microsoft® Windows® and Macintosh®, including HP Instant Share
Replacement Inkjet Print Cartridges			
This printer and its replacement cartridges are designated for sale in North America.	C8765W	HP 94 Black Inkjet Print Cartridge (11 ml)	
	C8766W	HP 95 Tri-color Inkjet Print Cartridge (7 ml)	
	C8767W	HP 96 Black Inkjet Print Cartridge (21 ml)	
	C9363W	HP 97 Tri-color Inkjet Print Cartridge (14 ml)	
	C9369W	HP 99 Photo Inkjet Print Cartridge (13 ml)	
	C9368A	HP 100 Gray Photo Inkjet Print Cartridge (15 ml)	
HP Business Communication Paper & Film			
HP Bright White Inkjet Paper	C5976B	250 sheets	
	C1824A	500 sheets	
HP Inkjet Everyday Paper	51634Y	200 sheets	
HP Brochure and Flyer Paper, Glossy	C6817A	50 sheets	
HP Brochure and Flyer Paper, Matte	C6955A	50 sheets	
HP Premium Inkjet Transparency Film	C3828A	20 sheets	
	C3834A	50 sheets	
HP Tri-fold Brochure Paper, Glossy	C7020A	100 sheets	
HP Photo Papers			
HP Photo Paper	C1846A	letter size, 20 sheets	
	C6982A	letter size, 60 sheets	
	C7890A	4 x 6 in., 20 sheets	
	C7893A	4 x 6 in., 20 sheets	
HP Everyday Photo Paper, Semi-gloss	C6983A	letter size, 25 sheets	
HP Everyday Photo Paper, Matte	C7007A	letter size, 100 sheets	
HP Premium Photo Paper	C6039A	letter size, 15 sheets	
	C6979A	letter size, 50 sheets	
	Q1988A	4 x 6 in, 20 sheets	
	Q1989A	4 x 6 in, 60 sheets	
	Q1990A	4 x 6 in, 100 sheets	
HP Premium Plus Photo Paper, Glossy	C6831A	letter size, 20 sheets	
	Q1785A	letter size, 50 sheets	
	Q1977A	4 x 6 in, 20 sheets	
	Q1978A	4 x 6 in, 60 sheets	
	Q5431A	4 x 6 in, 100 sheets	
HP Premium Plus Photo Paper, Glossy, Borderless	Q2502A	4 x 6 in, 60 sheets	
HP Premium Plus Photo Paper, Matte	C6950A	letter size, 20 sheets	
	Q5450A	letter size, 50 sheets	
	Q2506A	4 x 6 in, 60 sheets	
HP Creative Papers			
HP Greeting Card Paper, White, Quarter-fold	C1812A	20 sheets/envelopes	
HP Matte Greeting Card, White, Half-fold	C7018A	20 sheets/envelopes	
HP Textured Greeting Card Paper, White, Half-fold	C7019A	20 sheets/envelopes	
HP Textured Greeting Card Paper, Ivory, Half-fold	C6828A	20 sheets/envelopes	
HP Linen Greeting Card Paper, White, Half-fold	C1788A	20 sheets/envelopes	
HP Photo Greeting Card	C6044A	10 sheets/envelopes	
HP Iron-on T-shirt Transfers	C6049A	10 sheets	
HP Banner Paper	C1820A	100 sheets (5 continuous stacks of 20)	
Optional accessories (please purchase separately)			
	Q3395A	HP bt300, Bluetooth® Wireless Printer Adapter	
	Q3032A	HP Auto Two-sided Print Accessory with Small Paper Tray ph3032	
	Q5712A	HP Auto Two-sided Printing Accessory ph5712	
	Q3447A	HP 250-sheet Plain Paper Tray pt3447	
	C6518A	HP USB Cable, 6 ft (2 m)	
	C6520A	HP USB Cable, 9 ft (3 m)	



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