

HP Photosmart 8450 Photo Printer



Print long-lasting, outstanding quality colour or b/w photos in as fast as 27 seconds with HP's 8-ink printing technology. Integral 6.4 cm colour LCD and advanced direct printing tools let you enhance photos or add effects. Network-enabled.

The HP Photosmart 8450 Photo Printer is designed for professional photographers and advanced amateurs wanting maximum image quality, long-lasting results, easy networking and a range of connectivity options. It can produce prints for photo books as well as small formats for galleries.

Print studio-quality colour and black & white photos that will resist fading for generations¹.

- Print in 8-ink colour or up to 4800-optimised dpi² with high contrast and detail.
- Extended colour palette with HP Photoret Pro precision technology – more than 72 million colour combinations.
- Print studio-quality photos that will resist fading longer than traditionally processed photos¹.
- Produce outstanding black & white photos – with gallery-quality results on HP satin-matt photo papers.
- Print 10 x 15 cm photos in as fast as 27 seconds, everyday black text and colour pages at up to 20 ppm.

Edit and enhance your photos via 6.4 cm LCD with advanced direct printing effects.

- Select, edit, preview and print without having to connect to your Mac or PC via 6.4 cm colour LCD.
- Manage colour from within the application – printer driver includes ICC profiles for key HP media types.
- Use HP Image Zone to retouch and control colour, contrast and brightness.
- Print with or without borders on any size – 10 x 15 cm, 13 x 18 cm, Panorama (10 x 30 cm), A4 and even 2 x A4 (210 x 594 mm)³.
- View video or freeze the action and print storyboard or frame-by-frame.

Easy networking plus direct printing via card slots and PictBridge-enabled cameras.

- Share your photo printer with multiple computers using Ethernet network.
- Five card readers allow easy direct printing from all major digital cameras memory cards.
- Print directly from PictBridge-enabled cameras via convenient front panel port.
- Suitable for connection to wireless networks via router.
- Print photos from your camera phone, notebook, PDA or handheld with optional Bluetooth wireless adapter⁴.
- HP Instant Share™ enables easy sharing of photos by e-mail without large attachments.

¹ Based on HP light fade testing under glass using the HP No. 344 Tri-colour and HP No. 348 Photo Inkjet Print Cartridges on HP Premium Plus Photo Paper.

² Up to 4800 x 1200-optimised dpi colour when printing from a computer and 1200-input dpi.

³ Borderless printing available on media sizes ranging from 77 x 127 mm to 215 x 610 mm.

⁴ Supports camera phones with Bluetooth wireless technology.

Technical specifications

Print technology	HP Thermal Inkjet			
Print head nozzles	1800			
Print speed (Up to # pages per minute) (Up to # pages per minute) (As fast as # seconds)	Document type Black text A4 Mixed text/colour graphics A4 10 x 15 cm colour photo (photo paper)	Draft 20 (30*) 20 27	Normal 4.4 4.4 60	Best 2.1 2.1 130
*With optional black print cartridge Dependent upon type, print mode, and approximate figures. Exact speed will vary depending on the system configuration, software program, and document complexity.				
Print resolution	Black: up to 1200 x 1200-rendered dpi when printing from a computer Colour: up to 4800 x 1200-optimised dpi when printing from a computer			
Colour technology	HP Photoret Pro precision technology; colour management from the application enabled, via ICC profiles			
Operating systems compatibility	Microsoft® Windows® 98, 2000 Professional, Me, XP Home and Professional Mac OS X v 10.1.5 or greater			
Minimum system requirements	For all systems: 4x CD-ROM drive, SVGA monitor (800 x 600 with 16-bit colour), USB port and USB cable (not included) For PC systems: Pentium® II (or equivalent) or greater, Microsoft® Windows® 98, 2000 Professional, Me, XP Home and XP Professional, Microsoft Internet Explorer 5.5 or later, 600 MB free hard disk space (2 GB recommended), 64 MB RAM (128 MB recommended) For Mac systems: G3 processor or greater, Mac OS X v 10.1.5, 10.2, 10.3, 500 MB free hard disk space, 128 MB RAM (256 MB recommended)			
Memory	64 MB			
Printer languages	HP PCL 3 GUI, PML			
Typefaces/fonts	8 built-in fonts, 4 each in portrait and landscape orientations: CG Times, CG Times Italic, Univers, Univers Italic, Courier, Courier Italic, Letter Gothic, Letter Gothic Italic			
Cartridge alignment	± 0.0508 mm			
Duty cycle	Up to 3,000 pages per month			
Recommended media weight	A4: 60 to 90 g/m ² , HP banner paper: 60 to 90 g/m ² , HP envelopes: 75 to 90 g/m ² , HP cards: up to 200 g/m ² , HP photo paper: up to 280 g/m ²			
Recommended media	Photo paper, plain paper, coated paper, brochure paper and film, transparencies, banners, iron-on transfer media			
Media sizes	Standard: Photo: 10 x 15 cm, 13 x 18 cm, Panorama 10 x 30 cm, A4, Panorama A4 210 x 594 mm; other: A5, A6, B5, C6, DL, Letter (8.5 x 11 in) Custom: 77 x 127 to 215 x 610 mm			
Media handling/input (up to #)	Sheets: 100 (up to 350 with optional 250-sheet paper tray), banners: 20, envelopes: 14, cards: 30, transparencies: 25			
Media handling/output (up to #)	Sheets: 50			
Duplex printing	Automatic (optional)			
Paper input trays	Standard: 100-sheet input tray, 15-sheet built-in photo tray Optional: 250-sheet plain paper tray, HP Auto Two-sided Print Accessory with Small Paper Tray			
Power requirements	Input voltage 100 to 240 VAC (± 10%), 50/60 Hz (± 3 Hz). External			
Power consumption	50 watts nominal, 83 watts maximum			
Interface and connectivity	Standard: USB – compatible with USB 2.0 specifications, built-in Wired 802.3 Ethernet Optional: HP bt300 Bluetooth wireless printer adapter, HP wireless print servers			
Control panel	Easy to use control panel with "Save", "HP Instant Share™", "Layout", "Select photos", "Print", "Cancel", "Zoom", "Menu", "Rotate" buttons			
Software included	HP Image Zone Software for Microsoft® Windows® and Macintosh, with HP Instant Share™			
Dimensions (w x d x h)	Out of package: 536 x 401 x 192 mm, packaged: 596 x 246 x 468 mm			
Weight	Out of package: 8 kg, packaged: 9.94 kg			
Operating environment	Operating temperature: 0 to 45° C, recommended operating temperature: 15 to 45° C, operating humidity: 5 to 95% RH, recommended operating humidity: 20 to 80% RH, storage temperature: -30 to 65° C, storage humidity: 5 to 95% RH. Noise level per ISO 9296, sound power: LwAd 45 dB(A), sound pressure: LpAm 45 dB(A)			
Safety	IEC 60950: third edition: 1999; EN 60950: 2000; UL 1950/CSA22.2 No. 950, third edition: 1995; NOM 019-SFCI-1993; GB4943: 2001			
Energy Star®	Yes			
Supplies life	C9363EE HP No. 344 Tri-colour Inkjet Print Cartridge (14 ml) 417 colour photos ¹ C9369EE HP No. 348 Photo Inkjet Print Cartridge (13 ml) 350 colour photos ¹ C9368AE HP No. 100 Grey Photo Inkjet Print Cartridge (15 ml) 110 colour photos ¹ C9368AE HP No. 100 Grey Photo Inkjet Print Cartridge (15 ml) 80 black and white photos C8767EE HP No. 339 Black Inkjet Print Cartridge (21 ml) 800 text pages ² C8765EE HP No. 338 Black Inkjet Print Cartridge (11 ml) 450 text pages ² C9363EE HP No. 344 Tri-colour Inkjet Print Cartridge (14 ml) 450 colour pages ² C8766EE HP No. 343 Tri-colour Inkjet Print Cartridge (7 ml) 260 colour pages ² ¹ Photo yield is for 10 x 15 cm photos on photo paper, ± 10%, in 8-ink mode ² Page yield is for A4 with 5% coverage in black and 15% coverage in colour All yields are approximate and may vary depending on all elements of the system.			
Warranty	One-year limited hardware warranty backed by HP Customer Care, service and support			

Ordering information

Q3388B HP Photosmart 8450 Photo Printer, power supply, power cord, HP No. 344 Tri-colour Inkjet Print Cartridge (14 ml), HP No. 348 Photo Inkjet Print Cartridge (13 ml), HP No. 100 Grey Photo Inkjet Print Cartridge (15 ml), media starter kit and resealable media bag, CD (quantity may vary by country), "Start Here" booklet, user's guide

Inkjet printing supplies

C9363EE HP No. 344 Tri-colour Inkjet Print Cartridge (14 ml)
C8766EE HP No. 343 Tri-colour Inkjet Print Cartridge (7 ml)
C9368AE HP No. 100 Grey Photo Inkjet Print Cartridge (15 ml)
C9369EE HP No. 348 Photo Inkjet Print Cartridge (13 ml)
C8767EE HP No. 339 Black Inkjet Print Cartridge (21 ml)
C8765EE HP No. 338 Black Inkjet Print Cartridge (11 ml)

Small format media

C6832A/Q1786A HP Premium Plus Photo Paper, high-gloss, A4 (20/50 sheets, 280 g/m²)
C6951A HP Premium Plus Photo Paper, satin-matt, A4 (20 sheets, 280 g/m²)
Q6573A HP Premium Plus Photo Paper, high-gloss, 10 x 30 cm panorama (20 sheets, 280 g/m²)
Q6572A HP Premium Plus Photo Paper, high-gloss, 13 x 18 cm borderless (20 sheets, 280 g/m²)
Q2503A HP Premium Plus Photo Paper, high-gloss, 10 x 15 cm borderless (20 sheets, 280 g/m²)
Q2519A/C7040A HP Premium Photo Paper, glossy, A4 (20/50 sheets, 240 g/m²)
Q5433A/Q5434A HP Premium Photo Paper, satin-matt, A4 (20/50 sheets, 240g/m²)
Q5479A/Q6601A HP Premium Photo Paper, glossy, 10 x 15 cm borderless (20/60 sheets, 240 g/m²)
Q1991A/Q1992A HP Premium Photo Paper, glossy, 10 x 15 cm (20/60 sheets, 240 g/m²)
C1853A HP Premium Heavyweight Paper, matt, A4 (100 sheets, 135 g/m²)
C5977B/C1825A HP Bright White Inkjet Paper, A4 (250/500 sheets, 90 g/m²)

Optional Accessories

Q3395A HP bt300 Bluetooth Wireless Printer Adapter
C6518A HP USB Cable
Q3032A HP Auto Two-sided Print Accessory with Small Paper Tray
Q3447A HP 250-sheet Paper Tray

<http://www.hp.com> <http://www.hp-expo.com>

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