

HP Deskjet 6940/Deskjet 6940dt Printer

Datasheet



HP's affordable performance print solution for professional printing at office and home. Work the way you want to with wired Ethernet printing and print sharing with up to five computers. Work more productively with breakthrough speeds up to 36 ppm black, up to 27 ppm color in Fast Draft mode. Print professional-quality color up to 4800 optimized dpi¹ or optional 6-ink color.²

Convenient, direct photo printing without a PC from PictBridge-enabled cameras using printer's front USB port. Create standard and custom size photos up to 8.5 x 24 in, with or without borders. Save time and use up to 50% less paper with optional auto two-sided printing.(auto two-sided printing accessory included with Deskjet 6940dt)³ Automatic paper type sensor and optional 250-sheet plain paper tray³ (HP 250-sheet Paper Tray included with Deskjet 6940dt) are other convenient paper handling features. Enhance and fix photos automatically with HP Photosmart Premier software.

¹ Up to 4800x1200-optimized dpi color when printing from a computer and 1200-input dpi.; ²6-ink printing available with purchase of HP 99 Photo Inkjet Print Cartridge not included, please purchase separately.; ³With purchase of HP Auto Two-Sided Printing Accessory ph5712 and HP 250-sheet Plain Paper Tray pt3447. Not included, please purchase each separately (auto two-sided printing accessory and 250-sheet paper tray included with Deskjet 6940dt)

Wired Ethernet printer with breakthrough speed, professional print quality and direct photo printing



Easy print sharing with built-in wired Ethernet

Easily share your printer with multiple PCs using built-in Ethernet capability

- Built-in Ethernet networking—Easily share your printer on a small wired network of PCs and notebooks
- Easy wired network setup—no need for additional hardware or software with built-in Ethernet
- Plug the printer networking cable into a wireless router for wireless printing convenience
- Easily print from your camera phone and PDA with optional Bluetooth wireless print adapter¹

Breakthrough speed and print performance features

- Greater productivity, less waiting with breakthrough speed up to 36 ppm black, up to 27 ppm color
- HP's high-capacity ink cartridges can save ink and money—ideal for higher-volume jobs
- Work at peak efficiency with optional HP two-sided printing accessory² and extra 250-sheet paper tray²
- Media sensor detects paper type and automatically sets print quality to ensure optimal results
- Smart, fast-access controls include Print cancel, Network configuration and Quiet print mode

Professional print quality, direct photo printing

Professional quality printing that lasts and direct photo printing without a PC

- Print laser-quality black and true-to-life photos with HP Vivera Inks and optional 6-ink color³
- Photos resist fading for years⁴ and laser-quality text documents retain clarity for decades⁵
- Edit your photos with HP Photosmart Premier software, easily share them with HP Photosmart Share⁶
- Print professional-quality photos directly from PictBridge-enabled cameras via front USB port
- Print documents that are water- and smudge-resistant with HP Vivera Inks and HP advanced paper
- HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit <http://www.hp.com/learn/suresupply>
Only available with original HP supplies; Internet access required.

Rely on HP. PC Magazine rated HP service and reliability A/A+ for 14 consecutive years.

¹ Wireless printing requires HP Bluetooth® BT400 or HP Bluetooth® BT450 wireless print adapter and Windows XP with Service Pack 2. Not included, please purchase separately.

² With purchase of HP Auto Two-Sided Printing Accessory ph5712 and HP 250-sheet Plain Paper Tray pt3447, not included with Deskjet 6940; please purchase each separately (auto two-sided printing accessory and 250-sheet paper tray included with DJ 6940dt).

³ 6-ink printing available with purchase of HP 99 Photo Inkjet Print Cartridge not included, please purchase separately.

⁴ Based on Wilhelm-Research.com light-fade testing under glass using the HP 97 Tri-color and the optional HP 99 Photo Inkjet Print Cartridges on HP Premium Plus Photo Papers. For more information on additional permanence testing factors, visit <http://hp.com/go/premiumplusphoto>

⁵ Based on paper industry predictions for acid-free papers; colorant stability data at room temperature based on similar systems tested as per ISO 11798 and ISO 18909

⁶ Internet connection required. Internet service purchased separately.

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Technical specifications

Print Technology	HP Thermal Inkjet
Print Resolution	Black (Best): Up to 1200 x 1200 rendered dpi; Color (Best): Up to 4800 optimized dpi color and 1200 input dpi
Print Speed ¹	Black (Draft): Up to 36 ppm; Color (Draft): Up to 27 ppm
Recommended Monthly Volume (letter)	Up to 5000
Connectivity	Built-in Ethernet, Universal Serial Bus, PictBridge; Optional: HP printer and PC adapter with Bluetooth wireless technology; Network Ready: Yes; Network Capabilities: Built-in Ethernet
External IO Ports	1 USB, 1 Ethernet, 1 PictBridge
Print Features	Direct Print Supported: Yes (PictBridge cameras); Video Action Printing: No; Automatic Paper Sensor Supported: Yes; Borderless Printing Supported: Yes (up to 8.5 x 24 in)
Real Life Technologies	HP Adaptive Lighting, HP Auto Red-eye Removal
Media Handling	Input tray: 150 sheet (up to 400 with optional 250-sheet paper tray, included with Deskjet 6940dt); Output tray: 50 sheet Input capacity: 150 letter/legal (up to 400 with optional 250-sheet input tray, included with Deskjet 6940dt); Up to 20 cards; Up to 20 envelopes; Up to 30 transparencies; Output capacity: Up to 50 letter/legal paper; Up to 30 cards; Up to 10 envelopes; Up to 30 labels; Up to 30 transparencies
Media Types	Paper (plain, inkjet, photo, banner), cards, envelopes, labels, transparencies, iron-on transfers, borderless media, HP's premium media
Media Sizes Standard	US: Letter, legal, executive, No 10 envelopes, cards, borderless photo (4 x 6 in, 5 x 7 in, 8 x 10 in, 8.5 x 11.5 in), borderless panorama (4 x 10 in, 4 x 11 in, 4 x 12 in); Metric: A2, A4, A5, B5 (JIS), 2L, envelopes (DL, C6, No 3, No 4), cards (A6, A5), borderless photo (A4, A5, A6, 2E, L, 2L, KG, cabinet, panorama)
Custom Media Sizes	3 x 5 to 8.5 x 24 in
Media Weight Recommended	16 to 24 lb (60 to 90 g/m ²)
Media Weight	US: US letter: 16 to 24 lb; legal: 20 to 24 lb; banner: 16 to 24 lb; envelopes: 20 to 24 lb; cards: up to 110 lb index; photo paper: up to 130 lb index; Metric: US letter: 60 to 90 g/m ² ; A4: 60 to 90 g/m ² ; legal: 75 to 90 g/m ² ; banner: 60 to 90 g/m ² ; envelopes: 75 to 90 g/m ² ; cards: up to 200 g/m ² ; photo paper: 240 g/m ²
Memory	Standard: 32 MB Maximum: 32 MB
Vertical Alignment Accuracy/Skew	+/- 0.002 in; Skew: +/- 0.006 in; Transparency Skew: +/- 0.01 in

¹Dependent upon document type and print mode.

Other

Compatible Operating Systems

Windows[®] 98 SE, 2000 Professional, Me, XP Home, XP Professional; Mac[®] OS X v 10.2.3, 10.3, 10.4

Minimum System Requirements

For all systems: CD-ROM drive, SVGA monitor (1024 x 768 with 32-bit color), USB port and USB cable for direct computer connection or working Ethernet network, Internet access; **for PC systems:** any Intel Pentium II, Celeron or compatible processor (Pentium 4 or higher recommended), 64 MB RAM for basic software installation (256 MB RAM for full software installation), 200 MB available hard disk space for basic software installation (450 MB for full software installation), Microsoft Windows 98 SE, 2000 Professional, Me, XP Home, XP Professional for basic software installation (Windows 2000 Professional, XP Home, XP Professional for full software installation), Internet Explorer 5.01 SP2 or higher; **for Mac:** Mac OS X v 10.2.3, 10.3; G3 processor or greater; 256 MB RAM; 150 MB available hard disk space for software installation

Network System Requirements

With built-in Ethernet (802.3) or wireless (802.11g) adapter: TCP/IP: IP Direct Mode, Port 9100 Printing; Status, SNMP; Discovery, SLP and mDNS. Advanced Security: Wired Equivalent Privacy (WEP) as defined in the 802.11b standard, and (supports 802.11g); Wi-Fi Protected Access (WPA1 and WPA2). The WPA solution is comprised of two components: Temporal Key Integrity Protocol (TKIP) encryption, and 802.1x technology. Auto IP. Apple Bonjour.

Operating Environment

Recommended Operating Temperature: 59 to 86° F (15 to 30° C); **Maximum Operating Temperature:** 41 to 104° F (5 to 40° C); **Temperature Storage Range:** -40 to 140° F (-40 to 60° C); **Humidity Recommended Operating Range:** 20 to 80% RH; **Storage Humidity:** 5 to 90% RH

Dimensions (w x d x h)/weight

US: Deskjet 6940: 17.7 x 14.5 x 5.7 in/13.2 lb; Deskjet 6940dt: 17.7 x 17.2 x 8 in/19.5 lb

Metric: Deskjet 6940: 450.2 x 367 x 144 mm/6kg; Deskjet 6940dt: 450.2 x 438 x 205 mm/8.9 kg

Acoustics

Sound Power: 5.2 B(A) (Best), 5.9 B(A) (Normal), 6.3 B(A) (Fast normal), 6.5 B(A) (Fast draft)

Sound Pressure: 40.5 dB(A) (Best), 46.5 dB(A) (Normal), 50.5 dB(A) (Fast normal), 53 dB(A) (Fast draft)

Power

Type: External; **Power Supply Required:** Input voltage 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power Consumption:** 50 watts maximum (Power requirements are based on the country/region where the product is sold. Do not convert operating voltages or use with other voltages. Doing so might cause damage that would not be covered under HP's product warranty.)

Warranty

One-year limited hardware warranty backed by HP Customer Care, service and support; one-year technical phone support, plus a toll-free number

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

Product Number: C8970A/C8973A

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Ordering Information

Part Number

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Replacement Ink Cartridges

HP 95 Tri-color Inkjet Print Cartridge, 7 ml
HP 96 Black Inkjet Print Cartridge, 21 ml
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

C8766W
C8767W
C9363W
C9369W
C9368A

HP Business Communication Paper & Film

HP Bright White Inkjet Paper, letter size, 250 sheets
HP Inkjet Everyday Paper, 200 sheets
HP Brochure and Flyer Paper, Glossy, 50 sheets
HP Brochure and Flyer Paper, Matte, 50 sheets
HP Premium Inkjet Transparency Film, 20 sheets
HP Tri-fold Brochure Paper, Glossy, 100 sheets

C5976B
51634Y
C6817A
C6955A
C3828A
C7020A

HP Photo Papers

HP Advanced Photo Paper, glossy, 4 x 6 in, 100 sheets
HP Advanced Photo Paper, glossy, letter size, 50 sheets
HP Advanced Photo Paper, glossy, 4 x 6 in, 100 sheets
HP Photo Matte Paper, 4 x 6 in, 50 sheets
HP Photo Paper letter size, 20 sheets
HP Photo Paper, letter size, 60 sheets
HP Photo Paper, 4 x 6 in., 20 sheets
HP Everyday Photo Paper Semi-gloss, letter size, 25 sheets
HP Everyday Photo Paper, Matte, letter size, 100 sheets
HP Premium Photo Paper, letter size, 15 sheets
HP Premium Plus Photo Paper, Glossy, 4 x 6 in, 20 sheets
HP Premium Plus Photo Paper, Glossy, letter size, 20 sheets
HP Premium Plus Photo Paper, Glossy, letter size, 50 sheets
HP Premium Plus Photo Paper, Glossy, Borderless, 4 x 6 in, 20 sheets
HP Premium Plus Photo Paper, Glossy, 4 x 6 in, 60 sheets
HP Premium Plus Photo Paper, Glossy, letter size, 20 sheets
HP Premium Plus Photo Paper, Glossy, Borderless, 4 x 6 in, 60 sheets
HP Premium Plus Photo Paper, Matte, letter size, 20 sheets
HP Premium Plus Photo Paper Satin-matte, 4 x 6 in, 60 sheets

Q7852A
Q7853A
Q6638A
Q5492A
C1846A
C6982A
C7890A
C6983A
C7007A
C6039A
Q1988A
C6831A
Q1785A
Q1977A
Q1978A
C6950A
Q2502A
C6950A
Q2506A

HP Creative Papers

HP Linen Ivory Half-fold Greeting Card-20 cards
HP Linen White Half-fold Greeting Card-20 cards
HP Matte Half-fold Photo Greeting Cards-20 cards
HP Textured Ivory Half-fold Greeting Card-20 cards
HP White Half-fold Photo Greeting Cards-10 cards
HP Iron-on Transfers, 8.5 x 11 in, 12 sheets

Q1787A
Q1788A
C7018A
C6828A
C6044A
C6049A

Accessories

HP USB Cable
HP Auto Two-sided Printing Accessory ph5712
HP 250-sheet Paper Tray pt3447
HP bt400 Bluetooth Wireless Printer Adapter
HP bt450 Bluetooth Wireless Printer and PC Adapter

C6518A
Q5712A
Q3447A
Q6399A
Q6398A



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