HP Scanjet 5590 digital flatbed scanner

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High-quality scans at 2400-dpi optical resolution and 48-bit color—plus fast, easy operation from a duplexing automatic document feeder. Scans slides and negatives with included adapter. TWAIN drivers and document management software included.

Two-sided, multi-page scans
- Unattended two-sided, multi-page scanning with included automatic document feeder

Fast
- Scan up to 8 pages—or 4 images—per minute and preview scans in about 7 seconds

- Scan, copy, print, e-mail, and more—many features available using one-touch buttons

- Plug and play using Hi-Speed USB-compatible with USB 2.0 specifications

- Scan and e-mail photos and documents—no slow downloads or large attachments

Easy document management
- Scan documents with existing data management systems or included software

- Choose copy quantity, settings, and more using convenient copy center buttons

Professional results
- High resolution scanning at 2400-dpi optical resolution and 48-bit color

- Easy to learn and use software for graphic arts and digital photography projects

Scan more
- Scan slides and negatives with adapter, plus scan books, documents, 3-D objects, and more

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Technical specifications

Scanner type	Flatbed
Scan technology	CCD
Control panel	5-button front panel: Scan document, Scan photo, File documents, E-mail, Copy center
Scan input modes	Front-panel: Scan document, Scan photo, File documents, E-mail, Copy center; HP Photo & Imaging software; user application via TWAIN; automatic document feeder; transparent materials adapter (scanning 35 mm negatives and slides)
Automatic document feeder	Standard, 50 sheets; **Paper sizes supported:** Letter, A4, custom, legal (legal in simplex mode only); two-sided, multi-page scans; **Scan speed:** Up to 8 ppm single-sided, 4 ipm two-sided
Scan resolution	**Hardware:** 2400 x 2400 dpi; **Optical:** 2400 dpi; **Enhanced:*** 12 dpi to 999999 enhanced dpi
Color bit depth/Grayscale levels	48-bit/256
Preview speed	7 sec**
Task speed	**4x6-inch color photo into Microsoft Word:** Less than 24 sec; **OCR a full page of text into Microsoft Word:** Less than 36 sec; **E-mail photo:** Less than 18 sec
Image scaling or enlargement range	10 to 2000% in 1% increments
Maximum document scan size	8.5 x 11 in (21.6 x 27.9 cm); 8.5 x 14 in (21.6 x 35.6 cm) with ADF, simplex mode only
Media types	Paper (plain, inkjet, photo), envelopes, labels, cards (index, greeting), 3-D objects, 35 mm slides and negatives (using transparent materials adapter), iron-on transfers, banner paper
Photographic format types	35 mm film strips, mounted slides, photos up to 8 x 11 in
File formats	**Windows:** TIFF, TIFF compressed, Bitmap, DCX, PCS, JPEG, GIF, FlashPix, Plain Text, PDF, HTML, Rich Text
	Macintosh: TIFF, PICT, JPEG, GIF, FlashPix, Plain Text, PDF, HTML, Rich Text
Connectivity	Hi-Speed USB (compatible with USB 2.0 specifications)

*The maximum dpi at which you can scan is limited by available computer memory, disk space, and other system factors.
**Scan speed: tests performed on a 1.7 GHz HP Vectra PC with 256 MB of RAM and Windows 2000.

Compatible operating systems	Microsoft Windows [98, 98 SE, Me, 2000, XP (Professional and Home Editions)], Mac OS X (10.1.5, 10.2 or higher)
Minimum system requirements	**For PC systems:** USB-compatible PC with Microsoft Windows [98, 98 SE, Me, 2000, XP (Professional and Home Editions)]; Pentium II Celeron or compatible CPU; Internet Explorer 5.01 SP2 or later; 64 MB RAM; 175 MB disk space, plus 50 MB for full-color scanning; SVGA monitor (800 x 600, 16-bit color); CD-ROM drive; USB port; HP Memories Disc Creator software requires CD-Writer and 700 MB additional disk space **For Macintosh systems:** USB-compatible Macintosh computer with Mac OS X (10.1.5, 10.2 or higher); 128 MB RAM; 240 MB disk space; SVGA monitor (800 x 600, 16-bit color); CD-ROM drive; USB port; HP Memories Disc Creator software requires CD-Writer and 700 MB additional disk space
Operating environment	Maximum operating temperature: 41 to 104° F (5 to 40° C); Recommended operating temperature: 50 to 95° F (10 to 35° C); Storage temperature: -40 to 158° F (-40 to 70° C); Recommended operating humidity range: 15 to 85% RH; Non-operating humidity range: 0 to 90% RH
Electromagnetic compatibility	EU (CE certification of conformity), North America (FCC), Australia (SMA), New Zealand (SMA), Russia (GOST), Korea (MIC), Taiwan (BSMI)
Safety	EU (IEC 60950 Third Edition Compliant, Third-Party Safety Certification), North America (Nationally-Recognized Testing Laboratories), Poland (PCBC), Russia (GOST)
Power supply	100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3%); Power Supply type: External power adapter; Power features: 100 to 240 VAC, 50/60 Hz, 24 VDC, 1500 mA; Power Consumption: 36 watts maximum
Dimensions (w x d x h)/weight	19.21 x 13.39 x 6.38 in. (488 x 340 x 162 mm)/12.6 lb (5.73 kg)
Warranty	One-year limited hardware warranty; 24-hour, 7 days a week phone support

Ordering information

What's in the box?
· HP Scanjet 5590 digital flatbed scanner
· Hi-Speed USB cable—compatible with USB 2.0 specifications
· Power cable
· Power supply (where applicable)
· Automatic document feeder (ADF)
· ADF cleaning cloth
· Transparent materials adapter (TMA) for scanning slides and negatives
· TMA instruction sheet
· User's manual
· Setup poster
· Warranty sheet
· CD-ROM(s) with software for Microsoft Windows and Macintosh
  - HP Photo & Imaging software with HP Memories Disc Creator & HP Instant Share
  - Integrated I.R.I.S. Readiris OCR
  - New Soft Presto! PageManager 7
  - HP Commercial Scanjet 5590 TWAIN (Windows only)

Product number	HP product
L1910A	HP Scanjet 5590 digital flatbed scanner

For more information visit our website at www.hp.com

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