

worldwide draft—varies according to region



hp designjet 5500 series printers

5500 • 5500 uv • 5500ps • 5500ps uv
(42 and 60-inch models)

The HP Designjet 5500 series combines high productivity, uncompromising image quality, and “intelligent” printing solutions that simplify workflow and allow unattended printer operation. Flexible for varied work environments, the series supports multiple ink sets and a wide range of media and new production print modes make it easy for you to create ready-to-sell, large-format documents quickly.

high productivity

- fast printing that’s ready-to-sell or distribute—new production print modes deliver professional image quality at speeds of 100 sq ft/hr output for glossy and 189 sq ft/hr for coated¹ media; 569 sq ft/hr printing using maximum speed mode
- printing when you need it—transfer files at up to 4.5 megabytes per second using a powerful hp jetdirect 615n print server card

image quality

- superb photo quality for all your large-format printing—a six ink, 1200 dpi writing system² and hp color layering technology provides a wide color gamut, continuous tones, and smooth color transitions
- match all customer or corporate-specific colors—hp designjet 5500ps provides Pantone® color matching for printing, you can print spot or process colors directly from your application
- consistent color throughout the entire job run—automatic closed-loop color calibration guarantees color consistency from the first print to the last

intelligent printing

- easy connectivity for multiplatform environments—new Web-file submitter provides a direct PDF, TIFF and JPEG printing path using a driver-less printing workflow for UNIX®, Linux, Mac® OS, and Windows® environments
- multi-language capability with extremely fast processing—supports up to 7 internal printer languages; the hp designjet 5500 includes TIFF, JPEG, CALS/G4, HP RTL, and HP-GL/2.; the hp designjet 5500ps completes the 7 internal languages set through its embedded RIP for Adobe® PDF 1.3 and Adobe PostScript® 3™
- time-saving internal file management and storage—eliminate resending time for large files sent through the Web-file submitter using 40 GB hard disk that stores large jobs even if the printer’s power is turned off

¹ available with dye ink

² 1200 by 600 dpi on glossy media

The HP Designjet printing solution—HP printers, ink systems, and printing material—engineered and tested together to ensure uncompromising print quality, performance, and reliability.

hp designjet 5500 series

hp designjet 5500ps 42- and 60-inch models shown



replace only the ink colors you need with up to six independently replaceable ink cartridges

modular ink system with choice of interchangeable ink sets: dye-based inks or pigment-based UV inks

stores and manages large files using a 40 GB hard disk

integrated heater ensuring optimal image quality when using the production print modes

increased productivity via extra wide printheads (.85 in)

roll feed and automatic cutter for unattended printing

prints on a wide range of media—more than 50 supported media types

superb photo quality with up to 1200 x 600 dpi printing on glossy media

network ready with fast hp jetdirect 615n print server card

highlights

- high power productivity— professional, ready-to-sell output at 100 sq ft/hr for glossy and 189 sq ft/hr for coated¹ media
- remote printer management is fast and easy from any standard Web browser—using the hp designjet WebAccess, you can conveniently manage your printer by using remote access to configure printer alerts, job management, printer status, and ink and media usage information
- Web-file submitter provides easy connectivity in multi-platform environments using a driver-less workflow
- flexible RIP options—hp designjet 5500ps provides an Adobe PDF 1.3 and Adobe PostScript 3 built-in RIP and the hp designjet 5500 is RIP-ready for use with an array of external RIPs and GIS applications
- accurate, consistent color printing—the hp designjet 5500ps provides Pantone[®] color matching for spot or process colors and closed-loop calibration for color consistency, print after print
- multiple press emulations using the hp designjet 5500ps—including Euro Offset, SWOP, DIC, TOYO, and JMPA offset printing emulations as well as emulations for other hp designjet printers and Apple ColorSync[®] compatibility
- durable output—2 year outdoor and 5 year indoor as a result of hp UV inks and the 3M[™] Match Component System[™]

¹ available with dye ink

hp designjet 5500 series at a glance

hp designjet 5500

- available 42 in and 60 in wide models
- ready for use with an array of external RIPs
- 128 RAM
- 40 GB hard drive
- hp jetdirect 615n print server
- hp designjet WebAccess
- internal languages: TIFF 6.0, JPEG, CALS/G4, HP RTL and HP-GL/2

hp designjet 5500ps

- available 42 in and 60 in wide models
- fully loaded with an Adobe PDF 1.3 and Adobe PostScript 3 built-in RIP
- 256 RAM
- 40 GB hard drive
- hp jetdirect 615n print server
- hp designjet WebAccess
- internal languages support: Adobe PDF 1.3, Adobe PostScript 3, TIFF 6.0, JPEG, CALS/G4, HP RTL and HP-GL/2

two ink type configurations: 5500 series with indoor dye inks for photo-realistic image quality and 5500 UV series with outdoor UV inks for enhanced lightfastness

optional accessories

- 42 in take-up-reel
- 42 in and 60 in spindle
- 42 in and 60 in dye to UV ink upgrade kit
- 42 in and 60 in UV to dye ink upgrade kit
- 64 and 128 MB memory module

the next step in professional large-format printing

Print service providers, GIS professionals, and graphic designers benefit from the robust features of the HP Designjet 5500 series printers. Use this line of powerful printers to turn around large-format prints that are ready-to-sell at some of the fastest speeds available without compromising image quality. And, with HP's intelligent printing solutions, you benefit from simplified workflow management, unattended operation, and flexible options that fit your unique business requirements.

powerful printing maximizes productivity

HP's new production print modes make it easy for you to achieve reliable, high-speed printing. Using any of the HP Designjet 5500 series printers, you can print with professional image quality at 100 sq ft/hr for glossy media and 189 sq ft/hr for coated¹ media, or print at speeds up to 569 sq ft/hr in maximum speed mode. Fast data transmission is guaranteed with the built-in HP Jetdirect 615n print server card. Other time saving features include:

- high-capacity (680 cc) ink cartridges and long-lasting printheads for longer unattended printing and a lower cost of ownership
- extra wide hp jetexpress printheads (.85 inches) for faster printing speed that contain embedded digital logic for better nozzle monitoring than ever before
- reduced waiting and shortened total turnaround time due to support for productivity category media, including instant dry-time glossy/semi-glossy, immediate lamination, and 225-foot heavyweight coated media rolls

flexible options meet your business needs

The HP Designjet 5500 series works in any environment and integrates into your business by supporting varied workflow options, specialty ink sets, and a wide range of media, including graphics and CAD. Flexible features include:

- support for up to 7 internal printer languages including Adobe PDF 1.3², Adobe PostScript 3², TIFF 6.0, JPEG, CALS/G4, HP RTL, and HP-GL/2
- a modular ink system with a choice of two interchangeable ink sets—dye-based inks or pigment-based UV inks
- the ability to print on a variety of media including CAD media¹, including Bright White, coated paper for line drawings, clear film, and vellum
- smaller margin requirements (5 mm) to support CAD applications

intelligent printing streamlines your workflow

Large-format printing has never been easier with HP's intelligent printing solutions. The direct PDF, TIFF, and JPEG printing path, made possible by the new Web-file submitter, simplifies any workflow scenario reducing the number of steps in the printing process by using driverless printing workflow. Web-file submitter that allows easy connectivity in multiplatform environments including UNIX, Linux, Mac OS, and Windows. To further help you manage your print jobs and increase unattended printing, the HP Designjet 5500 series features:

- a new 40 GB hard disk that eliminates resending time for large files because information can be stored and maintained using the Web-file submitter (part of the internal Web server)—files stored on the hard disk will not be lost, even if the printer's power is turned off
- hp designjet WebAccess which uses any computer's Web browser for convenient remote access to configurable printer alerts, job management, printer status, and ink and media usage information
- hp designjet 5500ps provides and Adobe PDF 1.3 and Adobe PostScript 3 built-in RIP and the hp designjet 5500 is a RIP-ready version for use with an array of external RIPs and GIS applications³
- independently replaceable ink cartridges that allow you to replace what you need, when you need it
- built-in smart chips track low-ink levels and worn printheads

support and services

HP provides you with a variety of support options to assist you in the setup and maintenance of the HP Designjet 5500 series printers. Use HP's expert knowledge to help you make the most of your printer and ensure your equipment is running at peak efficiency. All models in this series start with a one-year warranty with free, onsite, next-business-day service. To further guarantee trouble-free operation, maximize the potential of your HP Designjet printer, or customize the printer for your unique business profile, consider upgrading your service and support options.

HP offers a comprehensive set of services and acquisition options that provide cost savings and business productivity gains—financing, user training, deployment strategies, regularly scheduled supplies and printer maintenance, and complete hardcopy environment management are available through HP Consulting, HP Outsourcing, HP Support, HP Education, and HP Finance. To find out more information go to the HP Services Web site at www.hp.com/hps

¹ available with dye inks

² available in the 5500ps model

³ solution tested with the following GIS applications: AutoDesk Map, Bentley's MicroStation, ESRI's ArcMap in ArcGIS and GE Smallworld Core Spatial Technology

technical specifications

hp designjet 5500 series printers

general features

Print technology: HP Color Thermal Inkjet

print performance

print speed*	max speed	production	productivity	max quality
60 inch coated:	569 sq ft/hr	189 sq ft/hr	100 sq ft/hr	100 sq ft/hr
	52.86 sq m/hr	17.56 sq m/hr	9.29 sq m/hr	9.29 sq m/hr
60 inch glossy:	147 sq ft/hr	100 sq ft/hr	76 sq ft/hr	60 sq ft/hr
	13.66 sq m/hr	9.29 sq m/hr	7.06 sq m/hr	5.57 sq m/hr

Minimum line width: 0.002 in

Line accuracy: ± 0.2% of the specific page length

Maximum length: 300 ft

Maximum resolution (with enhanced IQ on): 1200 x 600 dpi (on glossy media)

* Maximum mechanical print times, not including dry time on a 60-inch printer.

media handling

Roll feed and sheet feed, automatic cutter, take up reel (standard in 60-in model)

connectivity

languages:

HP Designjet 5500: TIFF 6.0, JPEG, CALS/G4, HP-GL/2, HP RTL

HP Designjet 5500ps: Adobe PDF 1.3, Adobe PostScript 3, TIFF 6.0, JPEG, CALS/G4, HP-GL/2, HP RTL

Drivers:

Microsoft Windows: 95, 98, Me, NT 4.0, 2000, XP with HP Drivers

UNIX®, Linux®: with HP embedded webserver file submitter

AutoCAD: 2000, 2002, R 14 for Windows

PostScript (5500ps): Microsoft Windows: 95, 98, Me, NT 4.0, 2000, XP; MAC OS 8.5 to 9.2.2, X.1 and X.2

Interfaces:

Standard: HP Jetdirect 615n 10/100 Base-TX print server, supporting TCP/IP (including LPR and IPP), AppleTalk, DLC/LLC and IPX/SPX protocols. Centronics parallel port, IEEE 1284-compliant

Optional: HP Jetdirect 610n/615n series print server, HP Jetdirect connectivity card and HP Jetdirect 500x, 300x and 170x external print servers

environmental ranges

Operating temperature: 59 to 95° F (15 to 35° C)

Storage temperature: -4 to 131° F (-20 to 55° C)

Operating humidity: 20 to 80% RH non-condensing

power requirements

Source: 100 to 240 volts (± 10%) auto-ranging

Frequency: 50 to 60 Hz

power consumption

Maximum consumption: 400 watts

Standby: 70 watts

Powersave: 55 watts

acoustics

Sound Pressure: 55 dB printing mode, < 35 dB when idle

Sound Power: 70 dB printing mode, < 48 dB when idle

printer dimensions (w by d by h)

60-in models: 96 by 27 by 50 in (2433 by 675 by 1280 mm)

42-in models: 78 by 27 by 50 in (1975 by 675 by 1280 mm)

printer weight

60-in models: 264 lbs (120 kg)

42-in models: 220 lbs (100 kg)

memory

128 MB RAM (dj5500); 256 MB RAM (dj5500ps)

product certification

Safety Certifications: Compliant with the requirements for the ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for US & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCC; Singapore: PSB; Russia: GOST; Poland: PCBC.

Electromagnetic Compatibility: Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables): EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCC, Japan VCCI. Class A for Korea MIC, Taiwan BSMI.

Environmental Compliance: US EPA Energy Star® compliant

warranty

1-year warranty with free, onsite, next-business-day service. HP Supportpacks and service agreements allow you to extend your warranty to up to 5 years, and can provide around the clock service with a response time of within 4 hours, every day of the year (depending on the country). The printer advises you whenever preventive maintenance is recommended to minimize downtime.

what's in the box

HP Designjet printer:	HP Designjet 5500		HP Designjet 5500ps	
	42 inch Q1251A	60 inch Q1253A	42 inch Q1252A	60 inch Q1254A
Printer Stand:	•	•	•	•
Take-up Reel:	•	•	•	•
Media Bin:	•	•	•	•
2 Roll-Feed Spindles:	•	•	•	•
Power Cords:	•	•	•	•
HP Designjet Ink System:	•	•	•	•
HP Printing Material Sample:	•	•	•	•
User Documentation:	•	•	•	•
User Maintenance Kit:	•	•	•	•
HP Designjet Printer Setup Software:	•	•	•	•

Other interface cables must be ordered separately.

ordering information

number	description		
Q1251A	HP Designjet 5500 printer (42-in model)		
Q1252A	HP Designjet 5500ps printer (42-in model)		
Q1253A	HP Designjet 5500 printer (60-in model)		
Q1254A	HP Designjet 5500ps printer (60-in model)		
Q1251V	HP Designjet 5500 uv printing system (42-in model)		
Q1252V	HP Designjet 5500ps uv printing system (42-in model)		
Q1253V	HP Designjet 5500 uv printing system (60-in model)		
Q1254V	HP Designjet 5500ps uv printing system (60-in model)		
service and support			
H5505A/E	HP SupportPack, 3-year, next-day, on-site, 60 inches		
H5504A/E	HP SupportPack, 3-year, next-day, on-site, 42 inches		
H4606PA/E	HP SupportPack, 1-year, post warranty, next-day, on-site, 60 inches		
H4607PA/E	HP SupportPack, 1-year, post warranty, next-day, on-site, 42 inches		
H5654A/E	HP SupportPack, 3-year, same-day (4 hours), on-site, 60 inches		
H5653A/E	HP SupportPack, 3-year, same-day (4 hours), on-site, 42 inches		
H5740PA/E	HP SupportPack, 1-year, post warranty, same-day (4 hours), on-site, 60 and 42 inches		
H4517A/E	Physical installation		
H4518A/E	Physical and network installation		
supplies and accessories			
C2385A	Spindle Assembly (42-in)		
C2386A	Spindle Assembly (60-in)		
C6087L	HP Designjet Take-Up Reel Kit (42-in/1.07m)		
C2383A	HP Printhead storage container		
HP 81 Ink System (dye for imaging)	HP 83 Ink System UV (pigmented for outdoors)		
ink cartridges			
C4930A	HP 81, Black, 680 ml	C4940A	HP 83, Black, UV, 680 ml
C4931A	HP 81, Cyan, 680 ml	C4941A	HP 83, Cyan, UV, 680 ml
C4932A	HP 81, Magenta, 680 ml	C4942A	HP 83, Magenta, UV, 680 ml
C4933A	HP 81, Yellow, 680 ml	C4943A	HP 83, Yellow, UV, 680 ml
C4934A	HP 81, Light Cyan, 680 ml	C4944A	HP 83, Light Cyan, UV, 680 ml
C4935A	HP 81, Light Magenta, 680 ml	C4945A	HP 83, Light Magenta, UV, 680 ml
printheads/cleaners			
C4950A	HP 81, Black	C4960A	HP 83, Black, UV
C4951A	HP 81, Cyan	C4961A	HP 83, Cyan, UV
C4952A	HP 81, Magenta	C4962A	HP 83, Magenta, UV
C4953A	HP 81, Yellow	C4963A	HP 83, Yellow, UV
C4954A	HP 81, Light Cyan	C4964A	HP 83, Light Cyan, UV
C4955A	HP 81, Light Magenta	C4965A	HP 83, Light Magenta, UV
value packs			
C4990A	HP 81, Black, 680 ml	C5000A	HP 83, Black, UV, 680 ml
C4991A	HP 81, Cyan, 680 ml	C5001A	HP 83, Cyan, UV, 680 ml
C4992A	HP 81, Magenta, 680 ml	C5002A	HP 83, Magenta, UV, 680 ml
C4993A	HP 81, Yellow, 680 ml	C5003A	HP 83, Yellow, UV, 680 ml
C4994A	HP 81, Light Cyan, 680 ml	C5004A	HP 83, Light Cyan, UV, 680 ml
C4995A	HP 81, Light Magenta, 680 ml	C5005A	HP 83, Light Magenta, UV, 680 ml
media			
dye and UV ink systems			
C6569C	HP Heavyweight Coated Paper	42 in by 100 ft	
Q1956A	HP Heavyweight Coated Paper	42 in by 225 ft	
C6977A	HP Heavyweight Coated Paper	60 in by 100 ft	
Q1957A	HP Heavyweight Coated Paper	60 in by 225 ft	
Q1939A	HP Productivity Photo Gloss	42 in by 100 ft	
Q1941A	HP Productivity Photo Gloss	60 in by 100 ft	
Q1944A	HP Productivity Photo Semi-gloss	42 in by 100 ft	
Q1946A	HP Productivity Photo Semi-gloss	60 in by 100 ft	
C6771A	HP Studio Canvas	36 in by 35 ft	
C6773A	HP Studio Canvas	54 in by 35 ft	
dye based ink			
C6964A	HP Photo Imaging Gloss	42 in by 100 ft	
C6965A	HP Photo Imaging Gloss	60 in by 100 ft	
C6960A	HP Photo Imaging Satin	42 in by 100 ft	
C6961A	HP Photo Imaging Satin	60 in by 100 ft	
UV ink			
C6787A	HP Banners with Tyvek®	36 in by 50 ft	
C6789A	HP Banners with Tyvek	54 in by 50 ft	
For a complete list of printing materials and selection numbers, please refer to the HP Web site at www.designjet.hp.com .			
cables			
C2496A	HP IEEE 1284-compliant bidirectional parallel cable, 9 ft		
C2497A	HP IEEE 1284-compliant bidirectional cable, 32 ft		
memory			
C2381A	64 MB memory module		
C2382A	128 MB memory module		
network			
J3111A	HP Jetdirect 600n EIO internal print server, Ethernet combo card		
J4169A	HP Jetdirect 610n EIO internal print server, Ethernet/Fast Ethernet		
J4167A	HP Jetdirect 610n EIO internal print server, Token Ring		
J4135A	HP Jetdirect 615n EIO internal print server, connectivity card		
J6057A	HP Jetdirect 615n EIO internal print server, Ethernet/Fast Ethernet		

HP PCs use genuine Windows Operating Systems

www.microsoft.com/piracy/howtotell

For more information on the HP Designjet 5500 Series Printers, visit our Web site at www.hp.com and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP printers, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

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