hp invent

professional

smart

data sheet

hp designjet 5500 series printers
5500 • 5500 uv • 5500ps • 5500ps uv
(42- and 60-inch models)

The HP Designjet 5500 series printers turn around ready-to-sell and distribute prints at some of the fastest speeds available—without compromising image quality. With HP's intelligent printing solutions, print service providers, GIS professionals, and graphics designers will benefit from a simplified workflow, unattended operation, and flexible options that serve a variety of customers or departments.

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 coated[1] 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 system[2] and hp color layering technology provide a wide color gamut, continuous tones, and smooth color transitions
- match 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
- predictable color management—hp designjet 5500ps supports offset printing emulations and ICC profiles for Macintosh® and Windows® for easy integration into your color workflow

intelligent printing

- easy connectivity for multiplatform environments—new Web-file submitter provides a direct printing path using a driver-less printing workflow for UNIX®, Linux, Mac OS, and Windows environments
- multi-language capability with extremely fast processing—support for up to seven internal printer languages: TIFF, JPEG, CALS/G4, HP RTL, HP-GL/2, Adobe® PDF 1.3[3] and Adobe PostScript® 3™[3]
- time-saving internal file management and storage—eliminate resending time for large files sent through the Web-file submitter; 40 GB hard disk stores large jobs even if the printer's power is turned off
- remote management—hp designjet webaccess uses any computer's Web browser for convenient, remote access to configurable printer alerts, job management, printer status, and ink and media usage

[1] available with dye ink   [2] 1200 by 600 dpi on glossy media   [3] hp designjet 5500ps only

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 printers

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

highlights

- high power productivity—professional, ready-to-sell output at 100 sq ft/hr for glossy and 189 sq ft/hr for coated[1] 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—the 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 as well as emulations for other hp designjet printers and Apple ColorSync® compatibility

- durable output—two year outdoor and five year indoor as a result of hp UV inks and the 3M™ Match Component System™

[1] available with dye ink

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

roll-feed and automatic cutter for unattended printing

increased productivity via extra wide printheads (.85 in)

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

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

hp designjet 5500 series printers at a glance

hp designjet 5500
- available 42-inch and 60-inch wide models
- ready for use with an array of external RIPs and applications
- 128 MB 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
- 42-inch and 60-inch models available
- fully loaded with Adobe PostScript 3 built-in RIP
- 256 MB 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: hp designjet 5500 series with indoor dye inks for photo-realistic image quality and hp designjet 5500 UV series with outdoor UV inks for enhanced lightfastness

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

flexible options meet your business needs

The HP Designjet 5500 series printers work in any environment and integrate into your business by supporting varied workflow and connectivity options, two ink sets, and a wide range of media for standard and specialty applications.

- hp designjet 5500ps with Adobe PostScript 3 built-in RIP or hp designjet 5500, a RIP-ready version for use with an array of external RIPs and GIS applications[1]
- support for up to seven internal printer languages including Adobe PDF 1.3[2], Adobe PostScript 3[2], 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 can be used in a single device
- support for a wide variety of photo, fine art, durable, and specialty media for indoor and outdoor graphics applications
- the ability to print on a variety of CAD media including bright white, coated paper for line drawings, clear film, and vellum

productivity

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

hp supplies maximize your productivity

HP's production print modes make it easy for you to achieve reliable, high-speed printing. And HP supplies, both ink systems and printing materials, are key to maximizing the number of prints you get per day—and per dollar.

- high-capacity (680 cc) ink cartridges and long-lasting printheads provide longer unattended printing and a lower cost of ownership
- extra wide hp jetexpress printheads (.85 inches) provide fast printing speeds
- reduced waiting and shortened total turnaround time due to support for productivity category media, including instant dry-time glossy/semi-glossy which support immediate lamination
- longer media rolls (up to 300 feet) plus high-capacity take-up reel (optional on 42-inch models) decrease intervention and boost productivity
- hp smart printing supplies track low-ink levels and worn printheads

[1] solution tested with the following GIS applications: AutoDesk Map, Bentley's MicroStation, ESRI's ArcMap in ArcGIS and GE Smallworld Core Spatial Technology   [2] available in the 5500ps model

technical specifications hp designjet 5500 series	hp designjet 5500/5500 uv 42 in Q1251A/Q1251V	hp designjet 5500/5500 uv 60 in Q1253A/Q1253V	hp designjet 5500ps/5500ps uv 42 in Q1252A/Q1252V	hp designjet 5500ps/5500ps uv 60 in Q1254A/Q1254V
print speed[1]	60 inch: 569 sq ft/hr maximum speed 42 inch: 499 sq ft/hr maximum speed	189 sq ft/hr production 170 sq ft/hr production	100 sq ft/hr productivity 89 sq ft/hr productivity	76 sq ft/hr maximum quality 68 sq ft/hr maximum quality
minimum line width	.002 in			
print margins[2]	lateral: 7 mm trailing edge and leading edge: 35 mm			
line accuracy	± 0.2% of the specific page length			
maximum length	300 ft			
maximum resolution	1200 by 600 dpi (on glossy media with enhanced IQ running)			
media handling	roll feed and sheet feed, automatic cutter (optional take-up reel)	roll feed and sheet feed, automatic cutter, take-up reel	roll feed and sheet feed, automatic cutter (optional take-up reel)	roll feed and sheet feed, automatic cutter, take-up reel
memory	standard: 128 MB RAM maximum: 256 MB RAM		standard: 256 MB RAM maximum: 256 MB RAM	
connectivity: languages	TIFF 6.0, JPEG, CALS/G4, HP-GL/2, HP RTL		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 hp embedded webserver file submitter for driverless printing in Mac OS, Windows, Linux, or UNIX AutoCAD: 2000, 2002, R 14 for Windows		Microsoft® Windows 95, 98, Me, NT 4.0, 2000, XP with hp drivers hp embedded webserver file submitter for driverless printing in Mac OS, Windows, Linux, or UNIX AutoCAD: 2000, 2002, R 14 for Windows PostScript: 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	standard: hp jetdirect 615n 10/100Base-TX print server, supporting TCP/IP (including LPR and IPP), Appletalk, DSL/LLC and IPX/SPX protocols. Centronics parallel port, IEEE 1284-compliant			
optional	hp jetdirect 610n/615n series print servers, hp jetdirect connectivity card, and hp jetdirect 500x, 300x, and 170x external print servers			
printing technology	color thermal inkjet			
what's in the box	printer stand, media bin, two roll-feed spindles, power cords, hp designjet ink systems, hp printing material sample, user documentation, user maintenance kit, hp designjet printer setup software	printer stand, media bin, two roll-feed spindles, power cords, hp designjet ink systems, hp printing material sample, user documentation, user maintenance kit, hp designjet printer setup software, take-up reel	printer stand, media bin, two roll-feed spindles, power cords, hp designjet ink systems, hp printing material sample, user documentation, user maintenance kit, hp designjet printer setup software	printer stand, media bin, two roll-feed spindles, power cords, hp designjet ink systems, hp printing material sample, user documentation, user maintenance kit, hp designjet printer setup software, take-up reel

[1] times are dye inks on coated paper—uv ink times are similar
[2] for graphic or imaging applications—margins for technical illustrations as small as 5mm on all sides

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

upgrade kits

C2377A	42-inch UV upgrade
C2379A	60-inch UV upgrade
C6092A	42-inch dye upgrade
C6093A	60-inch dye upgrade

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)
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

HP 83 Ink System UV (pigmented for outdoors)
ink cartridges

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

printheads/cleaners

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
C2947A	HP IEEE 1284-compliant bidirectional cable, 32 ft

memory

C2381A	64 MB memory module
C2382A	128 MB memory module

network

J4167A	HP Jetdirect 610n EIO internal print server, Token Ring

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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

product certification
Safety Certifications: compliant with the requirements for the ITE products: CSA Certified
Electromagnetic Compatibility: compliant with the requirements for Class B ITE products (Class A when connected to LAN cables): FCC rules, DOC
Environmental Compliance: ENERGY STAR® compliant

printer dimensions (w by d by h)
42-in models: 78 by 27 by 50 in (197 by 67 by 128 cm)
60-in models: 96 by 27 by 50 in (243 by 67 by 128 cm)

shipping dimensions (w by d by h)
42-in models: 89 by 25 by 52 in (226 by 63 by 132 cm)
60-in models: 107 by 25 by 52 in (271 by 63 by 132 cm)

printer weight
42-in models: 220 lbs (100 kg)
60-in models: 264 lbs (120 kg)

shipping weight
42-in models: 491 lbs (183 kg)
60-in models: 601 lbs (224 kg)

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. The printer advises you whenever preventive maintenance is recommended to minimize downtime.

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.

HP PCs use genuine Windows Operating Systems
www.microsoft.com/piracy/howtotell

For more information
Product: Visit www.hp.com
Purchase: HP business solutions, products and supplies can be purchased at your local HP partner (www.hp.com/go/locator), or bought directly from HP at www.buy.hp.com or 800-613-2222.
Finance: HP finance plans provide all the benefits of new technology without the risk or cost of ownership. For details, call toll-free 888-999-HPTF (4783).
Accessibility: HP is committed to providing products and services that are accessible to people with disabilities. For more information, please visit www.hp.com/accessibility or call 888-259-5707.