



HP Designjet Large Format Office Portfolio for Design Professionals

Design professionals need to innovate and reinvent the way they serve customers by moving from a cumbersome, hard copy-based project workflow to a digital infrastructure, where printing and archiving are more efficient, easily integrated and fully accessible. HP's unmatched digital printing portfolio, software solutions and service partnerships offer professionals an end-to-end communication experience and allow customers to develop their ideas and win new business.

HP is dedicated to providing a broad portfolio of large-format printing solutions designed specifically for demanding professionals – from architecture, construction, manufacturing, civil engineering and geographic information systems (GIS) workgroups to graphic arts professionals, including graphic designers and professional photographers.

Solutions for technical professionals include:

- The new HP Designjet 111 Printer, HP's most affordable large-format printer and an ideal, entry-level all-purpose printer for architecture, engineering and construction (AEC) students and professionals, construction offices, universities and technical instruction environments
- The HP Designjet 510 Printer series, which allows small studios to print large-format computer-aided design (CAD) drawings in-house easily, conveniently and quickly on a variety of media
- The HP Designjet 770 Printer series, a fast, convenient and scalable solution for teams of three to 10 users in small studios and enterprises, available in a 44-inch and a new 24-inch model
- The HP Designjet T1200 Printer series, including the new HP Designjet T1200 High-definition (HD) Multifunction Printer, which delivers increased productivity for medium-sized CAD and GIS workgroups interested in an integrated scanning, copying and printing experience
- The HP Designjet 4020/4520 Printer series for the cost-effective production of large-format applications at high volumes by busy reprographic houses and large workgroups
- The new, standalone HP Designjet HD Scanner, which brings powerful color copy and scan functions in-house for an integrated scan-copy-print system in large departments of enterprise and public sector environments



- The HP Designjet T1120 SD Multifunction Printer is a fast, intuitive and easy-to-use integrated multifunction solution ideal for small and medium-sized enterprises and departments

Solutions for graphic designers and professional photographers include:

- The HP Designjet 130 Printer series, an affordable, multifunction solution for fade-resistant, photo-quality images with consistent colors
- The HP Designjet Z2100/Z3200 Photo Printer series are ideal for graphic designers, professional digital fine arts and photographers that require gallery-quality black-and-white and color prints

HP Designjet 111 Printer series



The HP Designjet 111 Printer series is HP's most affordable and compact large-format printer. This new, all-purpose solution delivers high-quality prints for oversized applications, including CAD assignments, large-format posters and presentations, allowing entry-level technical professionals to cost-effectively produce projects up to A1/D size. Available in two models, tray-fed or roll-fed, the HP Designjet 111 Printer series is ideal for AEC students and professionals, construction offices, universities and technical instruction environments.

Technical specifications

- Print speeds
 - Line drawings: 90 sec/page on A1/D, 11 A4/letter prints per minute⁽¹⁾
 - Color images: Fast: 90 sec/page on A1/D on coated media, Best: 21.5 min/page on A1/D on glossy media⁽²⁾
- Maximum print resolution: Up to 1,200 x 600 dpi
- Line accuracy: +/- 0.2 percent⁽³⁾
- Minimum line width: 0.04 mm (0.0016 in)
- 4-ink printing system with Original HP 82 and 11 Ink Cartridges with dye-based (color) and pigment-based (black) inks: cyan, magenta, yellow, black
- Standard Connectivity: Full-Speed USB 1.1, Centronics parallel IEEE-1284 (ECP compliant), EIO Jetdirect accessory slot

The HP Designjet 111 Printer series is an ENERGY STAR® qualified product.⁽⁴⁾

HP Designjet 510 Printer series

The HP Designjet 510 Printer series allows AEC and graphics professionals to produce sharp black-and-white and color drawings with fine lines as thin as 0.04 mm.⁽⁵⁾ Designed for small studios that print large-format CAD drawings in-house, the device enables users to easily, conveniently and quickly print on a variety of media. Furthermore, the HP Designjet 510 Printer series features HP-GL/2 in-printer processing technology that frees up computer resources and minimizes network



traffic, eliminating printing delays.

Technical specifications

- Print speeds⁽⁶⁾
 - Line drawings: Fast: 55 sec/page on A1/D, 38 A1/D prints per hour on plain media
 - Color images: Fast: 3.5 min/page on A1/D on coated media
Normal: 9.5 min/page on A1/D on glossy media
- Maximum print resolution: Up to 2,400 x 1,200 optimized dpi
- Line accuracy: +/- 0.2 percent⁽⁷⁾
- Minimum line width: 0.04 mm (0.0016 in)⁽⁵⁾
- Four-ink printing system with Original HP 82 Ink Cartridges with dye-based (color) and pigment-based (black) inks: cyan, magenta, yellow, black (available in HP 82 69-ml and 28-ml ink cartridges)
- Maximum print length: 190 cm (74.7 in)
- Memory: 160 MB standard memory, expandable to 416 MB with HP Designjet 256 MB Memory Upgrade
- Standard Connectivity: 1 USB 2.0 compliant port, 1 IEEE-1284-compliant parallel port, 1 EIO Jetdirect accessory slot

The HP Designjet 510 Printer series is an ENERGY STAR qualified product.⁽⁴⁾

HP Designjet T770 Printer series



Small teams can significantly increase productivity with the fast, convenient and scalable HP Designjet T770 Printer series. Available in 44-inch and new 24-inch models, this scalable printer series includes a front-loading top roll, built-in networking and system and memory upgrades. Small teams can accomplish more in less time with fast set-up – including the ability to print without opening any applications – fast speeds up to two D-sized prints per minute, fast sharing, and upgrade options that let customers scale the printer as needs evolve.

Technical specifications

- Print speeds
 - Line drawings⁽⁸⁾: 28 sec/page on A1/D, 103 A1/D prints per hour
 - Color images⁽⁹⁾: Fast: 41 m²/hr (445 ft²/hr), Best: 3.1 m²/hr (33.3 ft²/hr)
- Maximum print resolution: 2,400 x 1,200 optimized dpi
- Line accuracy: +/- 0.1 percent⁽¹⁰⁾



- Exact detail with 0.02 mm minimum line width
- Six-ink printing system with Original HP 72 Ink Cartridges with HP Vivera inks: cyan, magenta, yellow, gray, photo black, matte black (available in HP 72 130-ml and 69-ml ink cartridges)
- Memory: Base model with 2 GB dedicated file-processing memory; 160 GB hard disk version, including 8GB of dedicated memory for fast file processing⁽²⁰⁾
- Standard Connectivity: Fast Ethernet (100Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot

The HP Designjet T770 Printer series is an ENERGY STAR qualified product.⁽⁴⁾

HP Designjet T1200 Printer series



CAD and GIS medium-sized workgroups can benefit from two printers in one with the fast and versatile HP Designjet T1200 Printer series. This 44-inch printing solution is designed to minimize the number of manual operations required and easily integrate into existing workflows. The new HP Designjet T1200 HD-MFP offers customers an integrated scanning, copying and printing experience for a variety of large-format documents, such as drawings, maps, renders and photo-realistic images. In addition to charge coupled device (CCD) scanning technology and embedded postscript capabilities, the HP Designjet T1200 HD-MFP boosts productivity by 40 percent with increased speeds and two online rolls.

Technical specifications

- Print speeds
 - Line drawings⁽¹¹⁾: 28 sec/page on A1/D, 103 A1/D prints per hour
 - Color images: Fast: 41 m²/hr (445 ft²/hr),⁽¹²⁾ Best: 3.1 m²/hr (33.3 ft²/hr)⁽¹³⁾
- Two automatic online rolls, automatic roll-switching, automatic cutter
- Maximum print resolution: 2,400 x 1,200 optimized dpi
- Line accuracy: +/- 0.1 percent⁽¹⁴⁾
- Exact detail with 0.02 mm minimum line width⁽¹⁵⁾
- Six-ink printing system with Original HP 72 Ink Cartridges with HP Vivera inks: cyan, magenta, yellow, gray, photo black, matte black (matte black available in HP 726 300-ml and HP 72 130-ml ink cartridges , all other colors available in HP 72 130-ml and 69-ml ink cartridges)
- Ink drop: 6pl (C,M,PK,G), 9pl (Y,MK)
- Maximum print length: 91 m (300 ft)



- Built-in network card with 32 GB of memory for file processing⁽¹⁶⁾ and reliable in-printer processing architecture
- HP Designjet T1200 HD-MFP Scan speeds⁽¹⁷⁾
 - Black and white: 15.2 cm/sec (6 in/sec)
 - Color: 5.1 cm/sec (2 in/sec)
- HP Designjet T1200 HD-MFP Scan resolution: Up to 9,600 x 9,600 dpi (enhanced mode) with variable resolution settings from 50 dpi in increments of 1 dpi
- HP Designjet T1200 HD-MFP Scan Technology: CIS
- Secure connectivity with built-in Gigabit Ethernet networking and secure IPsec and IPv6
- Linux PS driver for additional support for Linux users:⁽¹⁶⁾ one Gigabit Ethernet (1000Base-T) port, one Hi-Speed USB 2.0 certified port, one EIO Jetdirect accessory slot
- Advanced access controls via the embedded Web server; secure disk erase and the external hard disk accessory provide even more security⁽¹⁸⁾
- PostScript capabilities and operating system support with original HP-GL/2 and RTL.

The HP Designjet T1200 Printer series is an ENERGY STAR qualified product.⁽⁴⁾

HP Designjet 4020/4520 Printer series

The HP Designjet 4020/4520 Printer series allows technical design professionals and IT managers to cost-effectively produce large-format drawings, maps, presentations, renders and posters in high volumes. Designed for busy reprographic houses and large workgroups in enterprise and public sector environments, this powerful and robust printer series delivers high-quality output, enhanced security and connectivity features and management tools to increase productivity and reduce costs. Powered by HP Double Swath Technology, the HP Designjet 4020/4520 Printer series offers high-speed color and black-and-white printing up to 42" wide with outstanding line accuracy, image quality and remote printer management.

Technical specifications

- Print speeds: 25 sec/page on A1/D; 100 A1/D prints per hour⁽¹⁹⁾
- Maximum print resolution: 2,400 x 1,200 optimized dots per inch (dpi)
- Line accuracy: +/- 0.1 percent⁽¹⁴⁾
- Four-ink printing system with Original HP 90 Ink Cartridges: cyan, magenta, yellow and black (black available in HP 90 775-ml ink cartridges; all other



colors available in HP 90 400-ml and 225-ml ink cartridges)

- Ink drop: 5pl (C,M,Y), 15pl (K)
- Memory: 160 GB and up to 1,120 MB with memory upgrade accessory
- Standard Connectivity:
 - Printer: One Gigabit Ethernet (1000Base-T) port, two FireWire (IEEE-1394a compliant) ports, one EIO, Jetdirect accessory slot
 - Scanner: One Fast Ethernet (10/100BASE-T) port, one FireWire (IEEE-1394a compliant) port

The HP Designjet 4020/4520 Printer series is an ENERGY STAR qualified product.⁽⁴⁾

HP Designjet HD Scanner



Designed for large departments in enterprise and public sector environments or reprographic houses that print nonstop, the new HP Designjet HD Scanner is a standalone device that streamlines workflow and improves productivity by bringing large-format color scanning in-house. This new device integrates easily into existing large-format printing capabilities and offers high-quality images with realistic colors and precise lines for large-format drawings, graphics, maps, presentations and more.

Technical specifications

- Scan speeds
 - Black and white: 25.4 cm/sec (10 in/sec)
 - Color: 7.6 cm/sec (3 in/sec)
- Scan resolutions
 - 600 optical dpi
 - Enhanced mode: 9,600 x 9,600 dpi
- Line accuracy: +/- 0.1 percent
- Monochrome Dual 2D-Adaptive enhancement technology for clean, crisp scans, even from poor-quality originals
- Embedded operating system and Intel® Pentium® 4 processor with 2.6 GHz processing speed, 40 GB hard disk and 1 GB memory

The HP Designjet HD Scanner is an ENERGY STAR qualified product.⁽⁴⁾

HP Designjet T1120 SD Multifunction Printer

Designed for small and large corporations that need basic, intuitive capabilities for



large-format color scanning and printing in-house, the HP Designjet T1120 SD MFP integrates easily into existing large-format printing workflows. The solution offers high-quality images with realistic colors and precise lines for large-format drawings, graphics, maps, presentations and more.

Technical specifications

- Print speeds
 - Line drawings: 35 sec/page on A1/D; 72 A1/D prints per hour (Economode on), 56 A1/D prints per hour (Economode off) ⁽¹¹⁾
 - Color images: Fast: 41 m²/hr (445 ft²/hr), ⁽¹²⁾ Best: 2.8 m²/hr (30 ft²/hr) ⁽¹³⁾
- Maximum print resolution: 2,400 x 1,200 optimized dpi
- Six-ink printing system with Original HP 72 Ink Cartridges with HP Vivera inks: cyan, magenta, yellow, gray, photo black, matte black (available in HP 72 130-ml and 69-ml ink cartridges)
- Ink drop: 6pl (C,M,PK,G), 9pl (Y,MK)
- Maximum print length: 91 m (300 ft)
- Standard connectivity: Gigabit Ethernet (1000Base-T) port, one Hi-Speed USB 2.0 certified port, one EIO Jetdirect accessory slot
- Scan speeds
 - Black and white: 12.7 cm/sec (5 in/sec)
 - Color: 3.8 cm/sec (1.5 in/sec)
- Scan resolutions
 - 1,200 optical dpi
 - Enhanced mode: 9,600 x 9,600 dpi
- Line accuracy: +/- 0.1 percent
- Monochrome Dual 2D-Adaptive enhancement technology for clean, crisp scans, even from poor-quality originals

The HP Designjet T1120 SD MFP is an ENERGY STAR qualified product.⁽⁴⁾

Enhanced software solutions allow customers to capture new business

Several software solutions are available to support the HP Designjet portfolio and to increase productivity, reduce costs and deliver high-quality results that help customers capture more business. The solutions include:



- HP Instant Printing allows customers to conveniently print and preview files in large format, adding the flexibility and convenience to print without having to access a specific network or opening a specific application, whether they are office documents (PDF, PPT), architectural or mechanical designs (HPGL2/PLT, DWF, PDF), images (TIFF, JPEG), or Microsoft® Office 2007 files (Word, Excel, Powerpoint). More information is available at www.hp.com/go/hpinstantprintingutility.
- Serif Poster Designer Pro for HP allows users to easily create professional large-format posters and banners in-house. The software solution gives the design power needed to achieve high-quality posters and banners to inform, educate and promote business on a new larger scale. With an intuitive interface, professionally designed templates and a wide range of tools and effects, Serif Poster Designer Pro for HP achieves superb results quickly, easily and reliably. Original HP media provide optimal, reliable results. More information is available at www.hp.com/go/posterdesignerpro.
- SCP Reprocontrol for HP now supports the HP Designjet T1200 Printer series. This solution empowers production operators to flexibly automate, standardize and manage color consistently within the production workflow. The increased control helps reduce print costs and increase profits. More information is available at www.hp.com/go/designjet/reprocontrol.
- HP Designjet Reporting Tool enables users to remotely view and create a report of the advanced usage tracking information of the printer, including supplies, media, user information, account information and the type of print job. This remote access makes it easy for administrators to invoice or cross-charge departments, projects or clients at periodic intervals for the correct amount of printer usage. More information is available at www.hp.com/go/designjet/accounting.
- HP Artist Software is ideal for professional photographers interested in expanding their business by offering high-quality fine art reproduction services to artists and galleries, as well as for museums and fine art publishers and printmakers that want to optimize their fine art reproduction workflow. More information is available at www.hp.com/go/HPArtist.
- ARTtrust is a unique identification and authentication solution for prints produced with pigment inks. This solution secures print identification and proof of authenticity for photographers and artists, providing traceability for each pigment print, while retaining full confidentiality of all transactions and ownership. More information is available at www.hp.com/go/arttrust.

Original HP Printing Materials

Original HP large-format materials use advanced HP-engineered coatings to take the guesswork out of producing high-quality, long-lasting prints. Designed together as a complete printing system, HP large-format printers, Original HP inks and HP printing materials deliver exceptional quality and consistent results.

For technical and graphic applications:

- HP Bond and Coated Papers – HP Bond and Coated Papers are ideal for



economical, high-quality printing with sharp text and lines and short-term signage in high-production environments. This selection includes new and improved HP Universal Bond Paper and HP Bright White Inkjet Paper with ColorPRO Technology.

- HP Technical Papers – Designed for AEC, GIS and mechanical computer-aided design applications, HP Technical Papers produce sharp black text, fine lines and medium-density area fills.
- HP Films (Graphics and Technical) – HP Films are optimized to provide sharp lines on plots for archiving, future reproductions and overlays. HP graphic polyester films provide an ideal solution for producing sharp, vivid image quality.
- HP Photographic Papers – HP Photographic Papers include a variety of substrates for a range of applications from high-end fine art photography – where quality is of utmost importance – to photo enlargements, displays and large-format retail graphics that need to be handled right off the printer.
- HP Proofing Papers – HP Proofing Papers ensure color accuracy for professional-looking comparisons prior to large-run printing.
- HP Backlit Materials – HP Backlit Materials are offered in both dye and UV ink compatible products for illuminated backlit displays indoors and outdoors.
- HP Self-adhesive Materials – HP Self-adhesive Materials offer a wide variety of products, including coated paper, vinyl, polypropylene and polyester films, as well as laminates for post-processing.
- HP Banner and Sign Materials – HP offers durable, weather-resistant banner and sign materials for a variety of applications from indoor and outdoor banners and pop-up displays to indoor and outdoor signage decorations.
- HP Fabric and Textile Materials – HP offers a range of textile materials that give movement to large-format prints and create a distinct look that is appropriate for indoor and outdoor use in retail, tradeshow or banner environments.
- HP Fine Art Printing Materials – HP art papers and canvas materials are designed for fine art reproduction professionals and offer a wide range of color, texture, thickness, sheen and durability.

Additional information about the entire portfolio of HP printing materials is available at www.hp.com/go/lfprinting/materials-supplies.

ColorPRO Technology

HP papers with ColorPRO Technology perform to a strict set of quality specifications that define color excellence and provide noticeably enhanced print quality compared to untreated bond papers. These papers use additives that interact with HP pigment inks and treat the paper to provide precise control over ink behavior at the paper surface. As the ink penetrates the paper, the colorant is



immobilized at the surface, producing prints with sharper, finer detail and an extended range of colors, and providing professional quality and striking results at production speed and a lower cost.

Pricing and availability⁽²⁰⁾

Model	Estimated U.S. MSRP	Availability
HP Designjet 111 (tray)	\$1,045	June 1, 2010
HP Designjet 111 (roll)	\$895	June 1, 2010
HP Designjet 510 24-in	\$2,095	Now
HP Designjet 510 42-in	\$3,195	Now
HP Designjet T770 24-in	N/A	June 1, 2010
HP Designjet T770 44-in	\$4,670	Now
HP Designjet T1200 44-in	\$5,790	Now
HP Designjet T1200ps 44-in	\$6,990	Now
HP Designjet T1200 HD-MFP	\$21,995	June 1, 2010
HP Designjet 4020 Printer	\$8,568	Now
HP Designjet 4020ps Printer	\$10,920	Now
HP Designjet 4520 Printer	\$9,295	Now
HP Designjet 4520ps Printer	\$11,450	Now
HP Designjet HD Scanner	\$18,995	June 1, 2010
HP Designjet T1120 SD-MFP	\$18,145	Now

Additional information

More information about the HP Graphics Solutions portfolio is available at www.hp.com/go/designjet.

- (1) Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond).
- (2) Mechanical printing time.
- (3) +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode.
- (4) More information is available at <http://www.hp.com/go/energystar>.
- (5) Color: 0.04 mm (0.0016 in); black: 0.09 mm (0.0035 in).
- (6) Mechanical printing time. Measured on a 42-inch model.
- (7) ±0.010 mm at 23°C (73°F), 50-60 percent relative humidity, on E/A0 printing material in Best mode with HP Premium Instant-dry Photo Gloss.
- (8) Mechanical printing time. Printed with Economode on. Measured on 44-in printer.
- (9) Mechanical printing time. Measured on 44-in printer.
- (10) ±0.1 percent of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50 to 60 percent relative humidity, on E/A0 printing material in best or normal mode with HP Matte Film.
- (11) Printed on plain media with Economode on.
- (12) Printed on coated media.
- (13) Printed on glossy media.
- (14) ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on Matte Film.
- (15) HP-GL/2 addressable – when compared to major competitors in this product category.
- (16) Available on the HP Designjet T1200 PostScript version only. Support in English.
- (17) Measured in 200 dpi/400 dpi Turbo mode.



- (18) The 160GB external hard disk drive accessory is an optional accessory to be purchased separately. This accessory is intended to replace the printer's internal hard disk as the repository of personal data, and can be removed from the printer and stored in a secure place.
- (19) Mechanical printing time. Line drawing printed in fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.
- (20) Actual prices may vary.

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