



HP Designjet 4020/4520 Printer Series

Overview

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 specifically 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.

The series includes a variety of printer options designed for large departments and busy workgroups that print continuously in centralized production environments, including the HP Designjet 4020 and 4020ps Printers and the HP Designjet 4520, 4520ps and 4520 HD-MFP.

The HP Designjet 4020/4520 Printer series provides a low cost per copy and non-stop, unattended printing capabilities with HP Double Swath technology, an enhanced in-printer processing architecture with a 160-gigabyte (GB) hard disk and up to 1,120 megabytes (MB) of memory,⁽¹⁾ and large 775-milliliter (ml) black and 400-ml color Original HP ink cartridges. Featuring an embedded Adobe® PostScript® 3™ raster image processor (RIP), the HP Designjet 4020ps/4520ps Printers provide built-in Adobe PDF support for fast, simultaneous processing and printing.

The HP Designjet 4520 Printer series combines a flexible media input capacity with two media rolls and automatic roll switching, reliable high-capacity HP ink cartridges and a high printing resolution, enabling users to increase print capacity and efficiency without compromising quality. Additionally, the HP Designjet 4520 HD-MFP features high-performance scanning and copying capabilities that make it an ideal color production system for geographic information systems (GIS) and architecture, engineering and construction (AEC) applications.⁽²⁾

New optional software solutions available with the HP Designjet 4020/4520 Printer series include Serif PosterDesigner Pro for HP,⁽³⁾ a set of tools and effects designed to help users develop posters that promote their business and attract new customers; SCP Reprocontrol for HP,⁽³⁾ which allows users to flexibly automate, standardize and manage color consistently within their workflow; the HP Instant Printing Utility 2.0,⁽⁴⁾ which enables fast preview and single-click batch printing of HP-GL/2, Adobe PDF and Microsoft® PowerPoint files; and HP Accounting Excel Tool 2.0,⁽⁵⁾ which enables users to remotely view a report of advanced usage tracking information of the printer.

Key features and benefits

HP Designjet 4020/4520 Printer series

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- Features HP Double Swath technology, which allows printing up to three times faster than previous HP Designjet models⁽⁶⁾, enabling the printing of 100 A1/D size prints per hour⁽⁷⁾ without sacrificing image quality, accuracy or product robustness
- Performs unattended printing with reliable 775-ml black and 400-ml color Original HP ink cartridges; HP ink Value Packs and three-ink Cartridge Multipacks offer added savings and convenience
- Increased productivity with the HP Instant Printing Utility 2.0,⁽⁴⁾ which enables fast preview and single-click batch printing of HP-GL/2, Adobe PDF and Microsoft PowerPoint files
- Advanced features, such as HP Web Jetadmin, enhanced in-printer processing with a 160-GB hard drive and up to 1,120 MB of memory,⁽¹⁾ ensure consistent results and worry-free, unattended operation
- HP Embedded Web Server secures the printing environment among authorized workgroups through advanced access control, plus the ability to lock front-panel access and disable I/O options
- Built-in Gigabit Ethernet networking and optional HP Jetdirect support for secure IPsec and IPv6,⁽⁸⁾ Linux PS driver that offers additional support for Linux users⁽⁹⁾
- Secure Disk Erase, which removes information in a secure manner, safeguarding assets from unauthorized access
- Patented HP inks and printheads and HP Professional Color Technologies enable 0.1 percent line accuracy and a resolution of up to 2,400 x 1,200 dpi
- Consistent, professional prints with more than 35 Original HP media substrates, including HP Recycled Bond Paper, HP Cockle-free Coated Papers, HP Everyday Adhesive Matte Polypropylene and HP Durable Banner with DuPont Tyvek – designed together with HP Original inks for optimal performance
- New Serif PosterDesigner Pro for HP,⁽³⁾ an optional software solution with an intuitive interface, professionally designed templates and a wide range of tools and effects to help users develop posters that promote their business and attract new customers
- HP Accounting Excel Tool 2.0⁽⁵⁾ enables users to remotely create and view reports of the advanced usage tracking information of the printer, including supplies, media, user information, account information and the types of print jobs, making it easy for administrators to invoice or cross-charge departments, projects or clients at periodic intervals for the correct amount of printer usage
- Flexibly automate, standardize and manage color consistently within the workflow with optional SCP Reprocontrol for HP⁽³⁾ software
- Compatible with the industry's key CAD and GIS applications, such as AutoCAD, ESRI, Bentley and Dassault Systèmes and with PC and Mac
- Optional HP Designjet 4500 Stacker capable of stacking up to 200 plots
- Free e-Support, HP Instant Support for self-troubleshooting and HP Active Phone for easy diagnosis, customer forums, real-time firmware upgrades, driver updates, extended warranty, post-warranty service options and reliable HP printing supplies



HP Designjet 4520 HD-MFP and 4520 Scanner

- Delivers high copy and scan performance with scan speeds of 3 inches per second in color and 10 inches per second in black and white
- Increased user control over final output with fast preview adjustment options, such as the ability to improve the quality of damaged or weathered originals with a background cleaning option, ensuring high-quality output with the first copy
- Advanced CCD scanning technology that delivers a high level of detail in the HP Designjet 4520 HD-MFP, plus real-time printer, media and queue information available in the scanner user interface⁽²⁾

Services and support

Users can select their support from convenient HP Care Pack services or configure their own HP service contract. With 65,000 service professionals in 165 countries, HP Imaging and Printing Services offer responsive, qualified support in virtually every corner of the world.

Technical specifications

- Print speeds: 25 sec/page on A1/D; 100 A1/D prints per hour⁽⁷⁾
- Maximum print resolution: 2,400 x 1,200 optimized dpi
- Four-ink printing system with Original HP 90 Ink Cartridges: cyan, magenta, yellow and black
- Margins
 - Roll: 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
 - Sheet: 11.5 x 25 x 5 x 5 mm (0.45 x 0.98 x 0.2 x 0.2 in)
- Small drop volume (CMY drop size: 5pl, black drop size: 15pl)
- Media input
 - HP Designjet 4020 Printer: single rolls up to 90 m (300 ft) long
 - HP Designjet 4520 Printer: two rolls up to 175 m (575 ft) long
- Hard Disk: 160 GB and up to 1,120 MB memory⁽¹⁾
- Scan speeds
 - Black and white (200 dpi/400 dpi turbo): 254 mm/sec (10 in/sec)
 - Color (200 dpi/400 dpi turbo): 76 mm/sec (3 in/sec)
- Scan resolutions
 - Best mode: 300 x 300 dpi
 - Normal mode: 200 x 200 dpi
 - Draft mode: 150 x 150 dpi
 - Enhanced mode: 9,600 x 9,600 dpi with variable resolution settings from 50 dpi in increments of 1 dpi
- 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

Optional accessories

- HP Designjet 4520 Scanner
- HP Designjet 4500 Stacker
- HP Designjet 1067-mm (42-in) Roll Feed Spindle
- HP Designjet 512 MB Memory Upgrade
- HP Designjet High Speed USB 2.0 Card
- HP Jetdirect 630n IPv6 Gigabit Print Server
- HP Jetdirect 635n IPv6/IPsec Print Server
- Serif PosterDesigner Pro for HP⁽³⁾
- SCP Reprocontrol for HP⁽⁴⁾

Original HP printing supplies

Ink cartridges

- HP 90 400-ml Black Ink Cartridge (C5058A)
- HP 90 775-ml Black Ink Cartridge (C5059A)
- HP 90 225-ml Cyan Ink Cartridge (C5060A)
- HP 90 400-ml Cyan Ink Cartridge (C5061A)
- HP 90 225-ml Magenta Ink Cartridge (C5062A)
- HP 90 400-ml Magenta Ink Cartridge (C5063A)
- HP 90 225-ml Yellow Ink Cartridge (C5064A)
- HP 90 400-ml Yellow Ink Cartridge (C5065A)
- HP 90 400-ml Black Value Pack (C5078A)
- HP 90 400-ml Cyan Value Pack (C5079A)
- HP 90 400-ml Magenta Value Pack (C5080A)
- HP 90 400-ml Yellow Value Pack (C5081A)
- HP 90 400-ml 3-Ink Cyan Cartridge Multipack (C5083A)
- HP 90 400-ml 3-Ink Magenta Cartridge Multipack (C5084A)
- HP 90 400-ml 3-Ink Yellow Cartridge Multipack (C5085A)
- HP 90 775-ml 3-Ink Black Cartridge Multipack (C5095A)

Printheads

- HP 90 Black Printhead and Cleaner (C5054A)



- HP 90 Cyan Printhead and Cleaner (C5055A)
- HP 90 Magenta Printhead and Cleaner (C5056A)
- HP 90 Yellow Printhead and Cleaner (C5057A)
- HP 90 Black Printhead Cleaner (C5096A)

Media

Printer:

- HP bond and coated paper (bond, recycled bond, coated, heavyweight coated, cockle-free and cockle-free heavyweight coated)
- HP photographic paper (semi-gloss, high-gloss)
- HP technical paper (natural tracing)
- HP film (clear, matte)
- HP signage paper (adhesive matte polypropylene, durable banner with DuPont Tyvek)

Scanner:

- Non-abrasive paper, vellum, mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard

A list of media compatible with the HP Designjet 4020/4520 Printer series is available at www.designjet.hp.com/supplies.

Additional information

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

Pricing and availability⁽¹⁰⁾

Model	Estimated U.S. MSRP
HP Designjet 4020 Printer	\$7,650
HP Designjet 4020ps Printer	\$9,750
HP Designjet 4520 Printer	\$9,295
HP Designjet 4520ps Printer	\$11,450
HP Designjet 4520 Scanner	\$27,895

The HP Designjet 4020/4520 Printer series will be available in May 2009.

⁽¹⁾ 608MB RAM plus a 512MB memory upgrade accessory.

⁽²⁾ The HP Designjet 4520 scanner comes standard on the HP Designjet 4520 HD-MFP. It is an optional (not included, sold separately) accessory on the HP Designjet 4520 Printer and HP Designjet 4520ps Printer.

⁽³⁾ Not included, sold separately.

⁽⁴⁾ Software not included; can be downloaded at no additional charge from www.hp.com/go/hpinstantprintingutility.

⁽⁵⁾ Software not included; can be downloaded at no additional charge from www.hp.com/go/designjet/accounting.

⁽⁶⁾ Compared to any HP Designjet 600/700/800/1000 series printer.

⁽⁷⁾ Mechanical printing time. Line drawing printed in fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.



⁽⁸⁾ IPSEC and IPv6 support requires the purchase of the HP Jetdirect 630n or HP Jetdirect 635n.

⁽⁹⁾ Available on the HP Designjet 4020ps/4520ps Printers only. Support in English only.

⁽¹⁰⁾ Estimated U.S. MSRP. Actual prices may vary.

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