

# HP Designjet 4520 HD Multifunction Printer



Increase productivity and get unattended colour printing with the powerful HP Designjet 4520-HD MFP. Easily copy, scan and print on demand with a fast device that delivers a large input/output capacity and excellent scanning and print quality.



HP Designjet 4520 HD  
Multifunction Printer

**Designed for large departments in Enterprise and Public Sector environments or reprographic houses that print nonstop in centralised production environments. This MFP delivers unattended printing of high-quality large-format output.**

**Increase productivity with this MFP's multiple functions and fast, unattended colour production.**

Maximise productivity with high performance scanning and copying capabilities. Take advantage of unattended colour printing with two long media rolls up to 175 metres and reliable HP ink cartridges. Print more in less time with HP Double Swath technology<sup>1</sup>. Experience fast, simultaneous processing and printing with In-printer processing, which also provides HP-GL/2, PDF and PS support. Easily store large files with 160 GB Hard Disk Drive and process complex files with 1120 MB of memory<sup>2</sup>.

**Expand your business with high performance print, copy and scan capabilities.**

Achieve excellent quality and accuracy with CCD scanning technology. Get results fast with scan speeds of 8 cm per second colour and 25 cm per second black and white. Benefit from real time printer, media and queue information in the scanner user interface. Produce professional quality images with patented HP inks, printheads enabling 0.1% line accuracy, and HP Professional Color technologies. Create a print workflow management system with optional stacker and SCP reprocontrol for HP<sup>3</sup>.

**Experience easy and reliable integration, efficient sharing and enhanced security.**

Share this HP Designjet MFP among authorised workgroups thanks to built-in Gigabit Ethernet networking and Jetdirect support for secure IPSEC and IPv6<sup>4</sup>. The embedded Web server secures your printing environment through advanced access control. Manage your MFP or fleet of devices with HP Web Jetadmin which helps you control color costs, secure devices and streamline supplies management. Enjoy peace of mind with a large format MFP from HP, a market leader with years of experience and expertise.

<sup>1</sup> Compared to any HP Designjet 600/700/800/1000 series printer

<sup>2</sup> Maximum memory includes 608 MB RAM plus 512 MB accessory

<sup>3</sup> SCP Reprocontrol Production Software for HP is an optional feature; not included, sold separately

<sup>4</sup> IPSEC and IPv6 support requires the purchase of the HP Jetdirect 630n or HP Jetdirect 635n.

## Technical specifications

<b>Print technology</b>	HP Thermal Inkjet
<b>Printhead nozzles</b>	524
<b>Print resolution</b>	Up to 2400 x 1200 optimised dpi from 1200 x 1200 dpi input on glossy media
<b>Number of inks</b>	Black, cyan, magenta, yellow
<b>Ink types</b>	Dye-based (C, M, Y), pigment-based (K)
<b>Ink drop size</b>	5 pl (C, M, Y), 15 pl (K)
<b>Print speed</b>	Economic quality: 31.6 m <sup>2</sup> /hr (coated), A1 colour line drawing: 25 sec/page (plain), 100 A1 prints per hour (plain, draft). 31.6 m <sup>2</sup> /hr (coated), A1 colour line drawing: 25 sec/page (plain), 100 A1 prints per hour (plain, draft)
<b>Scan speed</b>	Colour (200 dpi/400 dpi Turbo): up to 8 cm/sec; Black and white (200 dpi/400 dpi Turbo): up to 25 cm/sec
<b>Scan resolution</b>	Up to 9600 dpi, with variable resolution setting from 50 dpi in increments of 1 dpi
<b>Line</b>	Line accuracy: +/- 0.1%. Minimum width: 0.02 mm
<b>Print languages</b>	Adobe® PostScript® 3, Adobe® PDF 1.5, TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4
<b>Memory</b>	Standard: Printer: 608 MB; Scanner: 1 GB; Maximum: Printer: 1120 MB; Scanner: 1 GB; Upgradability: Printer: expandable to 1120 MB through a 512 MB Designjet qualified DIM. Hard disk: Printer: standard, 160 GB; Scanner: standard, 40 GB.
<b>Print margins (mm)</b>	<b>Roll</b> top: 5 mm; bottom: 5 mm; left: 5 mm; right: 5 mm <b>Sheet</b> 5 mm (top), 5 mm (right), 5 mm (left), 5 mm (bottom)
<b>Media types</b>	Printer: bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), proofing paper (semi-gloss, semi-gloss contract), self-adhesive (indoor paper, polypropylene, vinyl), banner and sign material (outdoor paper, blue back billboard paper); Scanner: non-abrasive paper, vellum, Mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)
<b>Media sizes</b>	Rolls up to 1067 mm width
<b>Maximum media length</b>	Roll: 175 m
<b>Maximum media width</b>	Printer: 1067 mm; Scanner: 1092 mm
<b>Maximum print length</b>	175 m (operating system and application dependent)
<b>Media thickness</b>	Up to 0.4 mm
<b>Recommended media weight</b>	50 to 328 g/m <sup>2</sup>
<b>Roll</b>	Maximum diameter: 180 mm
<b>Media handling</b>	Printer: two automatic roll feeds, automatic rolls witching, automatic cutter, optional stacker; Scanner: straight-through scan paper path for sheet and cardboard originals
<b>Interface and connectivity</b>	Standard: Printer: Gigabit Ethernet (1000Base-T), FireWire (IEEE-1394a compliant), EIO Jetdirect accessory slot; Scanner: Gigabit Ethernet (1000Base-T), FireWire (IEEE-1394a compliant). Optional: HP Jetdirect print servers
<b>Printer management</b>	HP Embedded Web Server
<b>Drivers included</b>	Printer: HP-GL/2, HP-RTL, PostScript® drivers for Windows®, HP PCL 3 GUI, PostScript® drivers for Mac OS X, support for Citrix® XenApp and Citrix® XenServer environments; Scanner: HP Macroinstaller with Windows® drivers for HP Designjet 5x0, 800, 1000, 40x0, 45x0, 5x00, T610, T11x0, Z2100, Z3x00, Z6100 series products
<b>Software</b>	HP Designjet Windows® drivers, HP Designjet Mac drivers, ICC profiles, system recovery software for the scanning system
<b>Operating systems compatibility</b>	Windows Vista® (32/64-bit), Microsoft® Windows® Server 2008 (32/64-bit), XP Home and Professional (32/64-bit), Server 2003 (32/64 bit), Mac OS X v10.4, v10.5. Latest driver upgrade information available on <a href="http://www.hp.com/go/4520mfp/support">http://www.hp.com/go/4520mfp/support</a>
<b>Minimum system requirements</b>	Microsoft® Windows®, Linux: Intel® Pentium® 4 (1 GHz), 512 MB RAM, 2 GB available hard disk space. Mac OS X v10.4 or higher: PowerPC G3 or Intel® Core Processor, 512 MB RAM, 1 GB available hard disk space
<b>Power</b>	Requirements: Input voltage (auto ranging) printer: 100 to 127 VAC (+/- 10%), 6 A, 220 to 240 VAC (+/- 10%), 3 A, 50/60 Hz (+/- 3 Hz); scanner: 100 to 240 VAC (+/- 10%), 50/60 Hz, 5 A max. Supply: Internal: built-in universal power supply. Consumption: 800 watts maximum; printer: 500 watts maximum, scanner: 300 watts maximum (active); 4 watts maximum (off)
<b>Dimensions (w x d x h)</b>	Out of package: Printer: 1930 x 800 x 1350 mm; Scanner: 1800 x 850 x 1380 mm. Packaged: Printer: 2130 x 775 x 1320 mm; Multiroll: 1420 x 480 x 510 mm; Scanner: 1910 x 690 x 750 mm
<b>Weight</b>	Out of package: Printer: 185 kg; Scanner: 92.5 kg. Packaged: Printer: 227.3 kg; Multiroll: 36 kg; Scanner: 146 kg
<b>Operating environment</b>	Operating temperature: 5 to 40° C. Recommended operating temperature: 15 to 30° C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 25 to 75% RH. Storage temperature: -20 to 55° C. Storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power: LwAd 7 B(A) (active), 5.7 B(A) (standby). Sound pressure: LpAm 53 dB(A) (active), 38 dB(A) (standby)
<b>Certifications</b>	Safety: EU (LVD and EN60950-1 compliant), Russia (GOST). EMC certifications: Compliance for Class A ITE products: EU (EMC Directive)
<b>Warranty</b>	Two-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.

<http://www.hp.com/uk>



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## Ordering information

**CM769A** Printer, printer stand and bin, printheads (x 8), printhead cleaners (x 8), introductory ink cartridges, roll module, user maintenance kit, quick reference guide, setup poster, documentation and drivers software, scanner, touchscreen (panel PC), keyboard, scanner documentation CD, system recovery DVD, customer service guide, FireWire cables (x 2), Ethernet cable, power cords

### Accessories

**CN088A** Serif PosterDesigner Software Pro for HP Designjet Printers  
**Q5677A** HP Designjet 4500 220V Stacker  
**CM973A** HP Designjet 512 MB Memory Upgrade  
**Q5680A** HP Designjet High Speed USB 2.0 Card  
**J7961G** HP Jetdirect 635n IPv6/IPsec Print Server  
**CN455A** SCP reprocontrol for HP (2 printers)

### Ink supplies

**C5054A** HP 90 Black Printhead and Printhead Cleaner  
**C5055A** HP 90 Cyan Printhead and Printhead Cleaner  
**C5056A** HP 90 Magenta Printhead and Printhead Cleaner  
**C5057A** HP 90 Yellow Printhead and Printhead Cleaner  
**C5058A** HP 90 400-ml Black Ink Cartridge  
**C5059A** HP 90 775-ml Black Ink Cartridge  
**C5061A** HP 90 400-ml Cyan Ink Cartridge  
**C5063A** HP 90 400-ml Magenta Ink Cartridge  
**C5065A** HP 90 400-ml Yellow Ink Cartridge

### Media supplies

**CG891A** HP Recycled Bond Paper-1067 mm x 45.7 m (42 in x 150 ft)  
**Q8751A** HP Universal Inkjet Bond Paper-914 mm x 175 m (36 in x 574 ft)  
**CG885A** HP Cockle-free Coated Paper-1067 mm x 45.7 m (42 in x 150 ft)  
**C3888A** HP Natural Tracing Paper-914 mm x 45.7 m (36 in x 150 ft)

### Service & support

**UN367E** HP Care Pack, Next Business Day Hardware Support, 3 years  
**UN366E** HP Care Pack, Next Business Day Hardware Support, 4 years  
**UN365E** HP Care Pack, Next Business Day Hardware Support, 5 years  
**UN360E** HP Care Pack, 4 Hour Response Time 13x5 Same Day On-site Hardware Support, 3 years  
**UN361PE** HP Care Pack, Post Warranty Next Business Day Hardware Support, 1 year  
**UN355PE** HP Care Pack, Post Warranty 4 hour 13x5 Same Day On-site Hardware Support, 1 year  
**H7604A/E** Standard Installation  
**H4518E** Network Installation

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com/go/designjet>

