



hp designjet
10ps/20ps
printer

hp designjet 10ps/20ps printer

HP Designjet 10ps and 20ps printing systems deliver accurate, consistent colour reproduction and excellent image quality at impressive speeds. Complete printing solutions that meet the graphic designer's demand for superior colour accuracy and image quality.

HP meets the needs of freelancers, advertising agencies, graphic design studios and in-house graphic design departments with a choice of a personal solution (HP Designjet 10ps printer) and a workgroup solution (HP Designjet 20ps printer).

- The superior colour accuracy of the HP Designjet 10ps/20ps printer gives graphic designers the colours they and their customers expect every time. Fewer misunderstandings means shorter turnaround times and higher productivity.
- An automatic closed-loop colour calibration system lets you experience the best colour accuracy available and achieve repeatable, and reliable results, consistent with offset output.
- A six colour printhead, capable of 2400 dpi resolution and 4 picoliter ink drop, reproduces a wide gamut of colours, maintains fine details and smooth tonal transitions for output that emulates offset print quality.

superior colour accuracy to ensure you make an impression

- Experience unbeatable colour accuracy and repeatable, reliable results from print to print, through an automatic closed-loop colour calibration system.
- Match offset printing accurately through automatic PANTONE® Calibration™ and offset printing emulation (EuroScale, SWOP, DIC, and TOYO), as well as ICC profiles for Macintosh® and Windows®.
- Printer writing system, RIP and print media integrated by HP for maximum consistency and colour fidelity.
- Apple® ColorSync™ compatibility to control colour matching at every step of your workflow from design to printing.
- 6 colour CMYKcm for better coverage of the colour gamut.

reduce the proofing approval cycle from days to hours!*

- The HP remote proofing solution delivers accurate colour proofs at your desk by simply printing files prepared by your commercial printer, pre-press house or agency. Full reliability of remote prints is assured by the automatic closed-loop colour calibration and the remote proofing software.

achieve excellent image quality combined with high printing speeds or maximum productivity

- High-resolution 2400 dpi proofs and 4 picoliter ink drop size for photo quality output.
- HP colour layering technology and 6 colour printheads (CMYKcm) deliver a wide range of colours, smooth tonal transitions and reduced visible grain.
- Dye-based black ink produces true black with less ink while maintaining overall gloss.
- Stick to your deadlines with printing speeds of up to 4 mpp in best mode (A3+ size).

*HP remote proofing solution will be available at the beginning of 2002



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hp designjet 20ps printer

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technical specifications

print technology	HP Thermal Inkjet		
print resolution	output best	black 600 x 600 dpi	colour 2400 x 1200 dpi
print speed	output type econofast (draft) productivity	Colour images Plain A3+ = 3.4 pages per minute, Plain Letter (text) = 10 pages per minute Glossy Letter = 1.2 minutes per page, Glossy A3+ = 2 minutes per page, Plain Letter = 4 pages per minute, Plain A3+ = 1.4 pages per minute	
	best quality	Glossy Letter = 1.8 minutes per page, Glossy A3+ = 4 minutes per page, Plain Letter = 1.45 pages per minute, Glossy A3+ = 0.5 pages per minute	
colour technology	Offset-printing emulation (SWOP, Euroscale, TOYO, DIC) and capability to add new emulations (new ICC profiles), RGB emulations, Apple ColorSync compatible, PANTONE® certified, automatic PANTONE calibration, automatic closed-loop-colour calibration		
operating systems compatibility	Macintosh 8.6 or later (Mac OS X in classic mode), Windows 98, ME, NT 4.0, 2000		
minimum system requirements	Based on HP software RIP (HP Designjet 10ps printer client based. Macintosh: HP Designjet 20ps printer server based); Any PowerPC® processor, Mac OS 8.6 or later (Classic mode), 128 MB RAM, 1GB available hard disk space, CD-Rom drive. Windows: Intel Pentium II® processor, Windows 98, ME, NT 4.0 or 2000, 128 MB RAM, 1GB available hard disk space, CD-ROM drive.		
recommended system requirements	Based on HP software RIP (HP Designjet 10ps printer client based. Macintosh: HP Designjet 20ps printer server based); Any Macintosh G4, Mac OS 9.0 or later (Classic mode in Mac OS X), 256 Mb RAM, 2GB available hard disk space, CD-Rom drive. Windows: Intel Pentium III processor, Windows 98, ME, NT 4.0 or 2000, 256 MB RAM, 2GB available hard disk space, CD-ROM drive.		
memory	Standard: 16 MB; buffer: 16 MB; maximum: 16 MB		
printer languages	PCL 3 GUI, Adobe® Postscript® 3™		
features	Automatic PANTONE® calibration and offset printing emulation (EuroScale, SWOP, DIC, and TOYO). The automatic closed loop colour calibration corrects colours to give maximum colour accuracy. Apple ColorSync compatibility for colour matching at every step of your workflow. CMYKcm printhead with 304 nozzles per colour, 4 picoliter ink drop size and 2400 dpi resolution. Dye-based black ink for dense, photo quality black with less ink. Full range of existing, compatible media from postcards to A3+ format (13 x 19 in). ICC profiles for Macintosh and Windows.		
recommended media	HP proofing gloss, HP proofing semi-gloss, HP proofing matte, HP colorfast photo paper, HP premium inkjet paper, HP professional brochure and flyer paper-matte finish, HP premium heavyweight coated paper, HP professional brochure and flyer paper two sided gloss, HP premium photo paper glossy, HP premium plus photo paper glossy, HP premium plus photo paper matte, HP bright white inkjet paper, HP premium inkjet transparency filmprint technology		
media sizes	Standard: A4, A3, A3+; custom: 7.6 to 12.7 mm, 33.0 x 48.3 mm print technology		
maximum length of sheet media	482.6 mm		
media handling input	media type: sheets	standard: HP Designjet 10ps printer: 150 HP Designjet 20ps printer: 400	up to 400
paper handling	150-sheet input tray, 10-sheet bypass tray, 250-sheet 2nd input tray (optional for the 10ps), rear tray for manual single-sheet feed, 50-sheet output tray		
media handling output	Media type: sheets ; standard: 50		
duplex printing	Two sided printing capability		
power requirements	Internal Input voltage 100 - 240 AC (+10% auto-ranging, 50/60 Hz (3 amps max.))		
power consumption	65 watts maximum		
interface and connectivity	Standard: USB, centronics parallel port, IEEE 1284-compliant; optional: HP Jetdirect 610n network card, supporting TCP/IP, Ethernet 10/100 Base TX, 10Base 2, LocalTalk; drivers included Adobe® PostScript® 3 with HP software RIP, Macintosh 8.6 or later (Mac OS X in classic mode), Windows 98, ME, NT 4.0, 2000		
software included	Adobe® PostScript® 3™ with HP software RIP		
print drivers included	Macintosh 8.6 or later (Mac OS X in classic mode); Windows 98, ME, NT 4.0, 2000		
dimensions (w x d x h)	With two-sided printing module: 542.2 x 723.9 x 223.2 mm; without two-sided printing module: 442.2 x 723.9 x 223.2 mm		
product weight	Out of package: HP Designjet 10ps printer: 12.5 kg; HP Designjet 20ps printer: 15.5 kg; packaged: HP Designjet 10ps printer: 17 kg; HP Designjet 20ps printer: 20 kg		
operating environment	Environmental ranges: operating temperature: 15 to 30° C; operating humidity: 20% to 80% RH; recommended operating temperature: 15 to 30° C; storage temperature: -40 to 70° C		
ENERGY STAR	Yes		
certifications	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 (CCIB), Japan (VCCI), Korea (MIC Class A), Taiwan (BSMI). Regulatory standards: Compliant with the requirements for ITE products: EU Low Voltage Directive, CSA certified for US & Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCIB, Singapore PSB, Russia GOST, Poland PCBC, Korea KTL		
warranty	One year warranty includes phone support from Monday to Friday at business hours and express exchange in most countries. Some countries may have slightly different support delivery methods depending on local infrastructure. With HP Support Packs you can extend your warranty up to 3 years. 3-year Express Exchange (available in most countries) H7708A/E.		

ordering information

C7790A	hp designjet 10ps printer
C7790B	hp designjet 20ps printer

accessories	
C7794A	2nd paper tray (hp designjet 10ps printer only)
C7795A	duplexer
J4169A	hp Jetdirect 610n
Q1249A	server based software RIP (hp designjet 10ps printer only)
Q1250A	pre-press software RIP
C6518A	USB cable (2 m)

supplies	
c4913a	hp no. 82 yellow print cartridge (69 ml)
c5016a	hp no. 84 black print cartridge (69 ml)
c4837a	hp no. 11 magenta print cartridge (28 ml)
c4836a	hp no. 11 cyan print cartridge (28 ml)
c5018a	hp no. 84 light magenta print cartridge (69 ml)
c5017a	hp no. 84 light cyan print cartridge (69 ml)
c4813a	hp no. 11 yellow printhead
c5019a	hp no. 84 black printhead
c4812a	hp no. 11 magenta printhead
c4811a	hp no. 11 cyan printhead
c5021a	hp no. 84 light magenta printhead
c5020a	hp no. 84 light cyan printhead
c7886a	hp proofing gloss (A3+, 50 sheets)
c7884a	hp proofing semi-gloss (A3+, 50 sheets)
c7885a	hp proofing matte (A3+, 100 sheets)

For a complete list of printing materials and selection numbers, please refer to the HP web-site at www.hp.com/go/designjet and select 'Printing Materials'.

<http://www.hp.com/go/designjet>

<http://www.hp.com>

For more information, please call your local HP sales office or representative: **Austria:** 0810/006080 (local rate call), **Azerbaijan:** +7 (99412) 973 561, **Belgium:** (02) 778 34 00, **Luxembourg:** (+352) 263 160 34, **Bulgaria:** (+359) 2960 1940, **CIS:** (007) 095 797 3500, **Croatia and Slovenia:** (+385 1) 60 60 200, **Czech Republic:** (00 420 2) 613 07 111 (Prague), **Denmark:** 45991125, **Dubai (Gulf Region):** (971) 488 15 456, **East Central Europe (Vienna HQ plus Albania):** (+43) 1-250 00, **Finland:** (09) 88721, **France:** (1) 69 82 6060, **Germany:** 0180 532 6222 (0.24 DM per minute), **Greece:** (01) 619 64 11, **Hungary:** (+36) 1 382-1111, **Iceland:** (354) 570 1000, **Ireland:** (00) 353 1 61 58 200, **Israel:** (972) 9 952 4848, **Italy:** (02) 921212, **Kazakhstan:** +7 (3272) 980 824, **Morocco (African Region):** (212) 222 21340, **Netherlands:** (020) 5476666, **Norway:** 22 735600, **Poland:** infolinia 0-801 607 607 (0,29 zł + VAT/min), **Portugal:** (808) 206 001, **Romania:** (+401) 250 6197, **RSA:** (27)11 806 1000 **Slovakia:** (+421 7) 68 20 90 11, **Spain:** (91) 6311600, **Sweden:** (08) 444 2000, **Switzerland:** 0848 88 44 66, **Turkey:** +90 (216) 579 71 71, **UK:** (0990) 474747, **Ukraine:** 380 44 490 61 20, **Uzbekistan:** +7 (99871) 169 1488, **Yugoslavia:** +7 (044) 490 6120, **Multinational Operations (MCO) (Geneva):** (22) 7804111, **European Headquarters (Geneva):** (22) 7808111.

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