productive

remote

data sheet

hp designjet 10ps/20ps
printing systems
B+ graphics color thermal inkjet printers

HP Designjet 10ps and 20ps printing systems deliver accurate color reproductions with excellent image quality at impressive speeds. These complete printing solutions meet the needs of graphic designers, ad agencies, and publishers by delivering superior color-accurate proofs at an affordable cost.
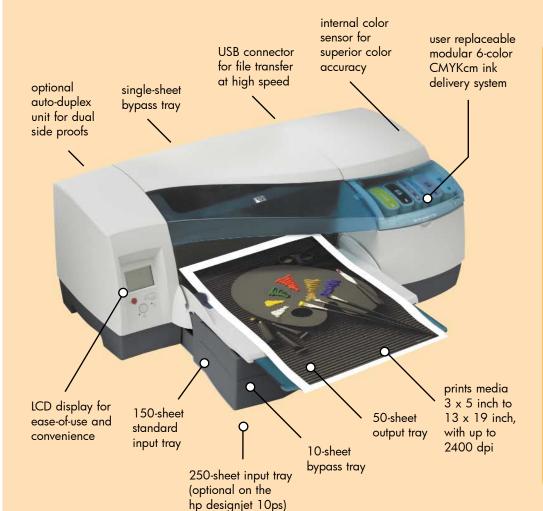
remote printing

- reduce the proofing approval cycle from days to a few hours—at your desk reproduce accurate color proofs by simply printing files prepared by your commercial printer, pre-press house, or agency with the hp remote proofing solution (available in early 2002)

color accuracy

- professionally produce accurate color proofs—technologically advanced, closed-loop-color calibration system delivers superior color reproduction from any digital file
- print with a wide gamut of color—reproduce vivid colors, with up to 2400 x 1200 dpi printing on hp premium photo paper, using the 6-ink system and 4-picoliter ink drop (small ink drop size maintains fine details and smooth tonal transitions)
- color match printed materials every time—automatic PANTONE®* Calibration™, offset printing emulation (Euro-Scale, SWOP, DIC, TOYO), ICC profiles for Macintosh® and Windows®, provide control color matching at every stop of your workflow
- achieve maximum color consistency while increasing efficiency—standalone RIP with the hp designjet 10ps for up to three users, or server-based RIP with the hp designjet 20ps for workgroups of more than three people

fast printing

- minimize waiting for prints—the hp designjet 10ps and 20ps deliver super-fast printing speeds of 4 mpp for a glossy full-bleed proof in best mode
- quickly print on the media you need—deliver full-bleed 13 x 19 inch (330 x 482 mm) proofs on new hp design proofing media in glossy, semi-gloss, and matte
- reduce user intervention—modular 6-ink system has four 69 ml (CMYK) and two 28 ml (cm) cartridges that help minimize printer downtime, reduce the cost per print, and lower overall cost of ink

All of the HP printing and imaging systems easily help you create powerful, professional communications. The printers, supplies, and accessories are specifically designed to work best together. Right-sized, cost-efficient, customized HP printing systems—invented to meet your business needs.

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

hp ®

i n v e n t

hp designjet 10ps/20ps

hp designjet 20ps shown

optional auto-duplex unit for dual side proofs

single-sheet bypass tray

USB connector for file transfer at high speed

internal color sensor for superior color accuracy

user replaceable modular 6-color CMYKcm ink delivery system

LCD display for ease-of-use and convenience

150-sheet standard input tray

250-sheet input tray (optional on the hp designjet 10ps)

10-sheet bypass tray

50-sheet output tray

prints media 3 x 5 inch to 13 x 19 inch, with up to 2400 dpi

internal features

- 16 MB RAM
- 2400 x 1200 dpi using hp premium photo paper
- 6-color printer (CMYKcm) with separate ink cartridges
- internal color sensor for superior color accuracy
- automatic PANTONE®* and closed-loop-color calibration
- Apple® ColorSync™ compatible
- USB, Centronics parallel, IEEE 1284-compliant printer connections

hp designjet 10ps—the personal solution

- standalone hp RIP for 1–3 users
- 150-sheet input tray
- bypass tray holds up to 10 sheets

optional accessories

- 250-sheet output tray
- hp jetdirect 610n network card
- server-based software RIP
- hp auto-duplex unit
- hp pre-press software

hp designjet 20ps—the workgroup solution

- server-based hp RIP for multiple users
- 150-sheet and 250-sheet input trays
- bypass tray holds up to 10 sheets

optional accessories

- hp jetdirect 610n network card
- hp auto-duplex unit
- hp pre-press software

reduce your production cycle

save time with remote proofing

How would you like to present your clients accurate color proofs printed right from your desk? With the HP Designjet 10ps and 20ps you can emulate offset production by printing files that match your printer's final output.

It is also economical and efficient to purchase these machines for your clients so they can print out your proofs anywhere in the world.

With either the HP Designjet 10ps or 20ps full reliability of remote prints is assured with automatic closed-loop-color calibration and remote proofing software.

quality and ease with 6-color printing

You will see better coverage along the entire color gamut using the HP Designjet printing system. Reproduce vivid colors, with up to 2400 x 1200 dpi on HP Premium photo paper, using the 6-ink system (CMYKcm) and 4-picoliter ink drop. The small ink drop size maintains fine details and smooth tonal transitions for a high-quality continuous-tone output. The modular ink system is composed of 6 individual cartridges that reduces user intervention while lowering the cost per print and overall ink cost.

optional networking capability

The HP Designjet 10ps and 20ps can be set-up on your network using the HP Jetdirect 610n card. Network support includes: TCP/IP, Novell®, Microsoft®, Macintosh®, Linux®, and UNIX®.

flexible media to meet your needs

A variety of media handling features means you can print any job from postcard size to 13 x 19 inch while reducing time spent loading media. The HP Designjet 10ps and 20ps come with a 150-sheet input tray, bypass tray holding up to 10 sheets, rear tray for manual, single-sheet feed, and an output tray holding 50 sheets. Also available for the 10ps is an additional 250-sheet input tray (standard on the 20ps).

HP offers a full variety of finishes in 13 x 19 inch proofing media. Use HP Proofing semi-gloss paper and HP Proofing matte paper for offset emulation on contact proofs. Or, for premium presentation proofs try HP Proofing gloss paper.

professional color accuracy

Superior color accuracy shortens your turnaround times and provides higher productivity. Now you can produce exact, affordable color proofs that help avert both internal and client misunderstandings. With a surprisingly low starting price, fast print speeds, and the flexibility of printing proofs on a variety of media, the HP Designjet 10ps and 20ps saves you time, money, and headaches.

maximum productivity

The HP Designjet 10ps and 20ps are specifically designed to help you increase your overall productivity.

- minimize the wait for your proofs with ultra-fast print speeds of up to 4 mpp in best mode
- enhance your workflow efficiency using the hp RIP
- reduce printer downtime and printing costs with the modular 6-ink system
- reduce the proofing approval cycle with the remote proofing solution
- add an optional auto-duplex unit for dual side proofs

technical specifications

hp designjet 10ps and 20ps
- color thermal inkjet
- 4 mpp in best mode (B+ size)
- 16 MB RAM
- USB port
- 6-color printer: C, M, Y, K, Lc, Lm
- PANTONE®* certified
- Apple ColorSync compatible
- Software RIP CD
- User Documentation CD

resolution
2400 x 1200 dpi printing resolution on HP Premium photo paper

paper handling
HP Designjet 10ps: 150-sheet input tray; 10-sheet bypass tray; single-sheet rear manual tray; 50-sheet output tray

HP Designjet 20ps: 150-sheet input tray; 250-sheet input tray; 10-sheet bypass tray; single-sheet rear manual tray; 50-sheet output tray

Minimum paper size: 3 x 5 in
Maximum paper size: 13 x 19 in

network connectivity
Networks supported: Novell NetWare® 3.x, 4.x, 5.x, Microsoft Windows® 95, 98, NT 4.0, Me, 2000, Mac OS (Ethertalk), Linux (Web), UNIX (Web)

HP Designjet 10ps/20ps: IEEE-1284 compliant Centronics parallel port and USB port; HP Jetdirect 610n network card; TCP/IP; AppleTalk®; Ethernet 10/100Base-TX, 10Base 2; Adobe® PostScript® 3™ with HP software RIP; Microsoft Windows 98, Me, NT 4.0, 2000; Mac 8.6 or later (Mac OSX in classic mode): Office drivers for Windows

HP RIP: CMYK emulation (SWOP, Euroscale, Toyou, DIC) and capability to add new emulations (new ICC profiles): RGB emulations; Automatic black replacement; Capability to add new media; Enhanced layout management; file types Adobe PostScript 2 & 3, PDF, EPS, TIFF, JPEG, BMP

HP Designjet 10ps: standalone solution (supports 1–3 users);
HP Designjet 20ps: client/server solution (supports 3 users and above)

environmental ranges
Operating temperature: 59 to 86° F (15 to 30° C)
Storage temperature: -40 to 158° F (-40 to 70° C)
Operating humidity: 20 to 80% RH non-condensing

power requirements
Source: 100 to 240 volts (± 10%) auto-ranging
Frequency: 50 to 60 Hz 3 amps max

power consumption
Printing: 62 watts maximum

acoustics
Pressure: 62 dB (A) printing

warranty
1-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 Supportpacks you can extend your warranty up to 3 years.

HP Designjet 20ps: Installation and network configuration service available

printer dimensions (w x d x h)
17.41 x 28.5 x 8.78 in (442.23 x 723.92 x 223.16 mm)

printer dimensions with paper tray open (w x d x h)
21.35 x 28.5 x 8.78 in (542.23 x 723.92 x 223.16 mm)

shipping dimensions (w x d x h)
HP Designjet 10ps: 33.8 x 21.8 x 18.2 in (858 x 554 x 462 mm)
HP Designjet 20ps: 33.8 x 21.8 x 27.64 in (858 x 554 x 702 mm)

printer weight
HP Designjet 10ps: 27.55 lb (12.5 kg)
HP Designjet 20ps: 27.55 lb (12.5 kg), 2nd sheet feeder: 6.61 lb (3 kg)

shipping weight
HP Designjet 10ps: 37.48 lb (17 kg)
HP Designjet 20ps: 44.1 lb (20 kg)

product certification
Safety: Compliant with the requirements for the ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for USA & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB; Singapore: PSB; Russia: GOST; Poland: PCBC; Korea: KTL

Electromagnetic compatibility: 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; Class A for Korea: MIC; Taiwan: BSMI

minimum system requirements
PC: HP Designjet 10ps: Intel® II Pentium® processor, 1 GB available hard disk space; CD-ROM drive; Windows 98, Me, NT 4.0 or 2000; 128 MB RAM
HP Designjet 20ps: Intel II Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows NT 4.0 server; 128 MB RAM

Macintosh: HP Designjet 10ps: Power Apple Macintosh System 8.6 or later (Mac OSX in classic mode); 1 GB available hard disk space; CD-ROM drive; 128 MB RAM
HP Designjet 20ps: G3 Apple Macintosh System 8.6 or later (Mac OSX in classic mode); 1 GB available hard disk space; CD-ROM drive; 128 MB RAM

ideal system requirements
PC: HP Designjet 10ps: Intel III Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows 98, Me, NT 4.0 or 2000; 256 MB RAM
HP Designjet 20ps: Intel III Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows 2000 server; 256 MB RAM

Macintosh: G4 System 9 or later (Mac OSX in classic mode); 2 GB available hard disk space; CD-ROM drive; 256 MB RAM

ordering information

number	description	
C7790A	HP Designjet 10ps, personal solution	
C7790B	HP Designjet 20ps, workgroup solution	

service & support (varies according to region)
H7708A/E	HP Supportpack, 3-year, express exchange	

This should be purchased together with the HP Designjet printer, at latest 90 days after (180 days in Europe & North America). For more support services please visit: www.designjet.hp.com.

supplies & accessories (varies according to region)
C7794A	2nd Paper Tray (HP Designjet 10ps)	
C7795A	Auto-duplex unit	

hp printheads
number	color	ink
C4813A	Yellow	HP no. 11 ink
C5019A	Black	HP no. 84 ink
C4812A	Magenta	HP no. 11 ink
C4811A	Cyan	HP no. 11 ink
C5021A	Light Magenta	HP no. 84 ink
C5020A	Light Cyan	HP no. 84 ink

hp ink cartridges
number	color	ink
C4913A	Yellow	HP no. 82 ink
C5016A	Black	HP no. 84 ink
C4837A	Magenta	HP no. 11 ink
C4836A	Cyan	HP no. 11 ink
C5018A	Light Magenta	HP no. 84 ink
C5017A	Light Cyan	HP no. 84 ink

hp proofing paper
C7886A	Gloss, 50 sheets, B+/A3+	
C7884A	Semi-gloss, 50 sheets, B+/A3+	
C7885A	Matte, 100 sheets, B+/A3+	

hp colorfast photo paper
C7014A	20 sheets, A4	
C7013A	20 sheets, letter	

hp premium inkjet paper
51634Y	200 sheets, letter	
51634Z	200 sheets, A4	
C1855A	100 sheets, legal	
C1856A	100 sheets, A3	

hp professional brochure and flyer paper
C6955A	Matte, 50 sheets, letter	
C6956A	Matte, 50 sheets, A4	

hp premium heavyweight coated paper
C1852A	50 sheets, letter	
C1853A	50 sheets, A4	

hp professional brochure and flyer paper
C6817A	Two-sided, gloss, 50 sheets, letter	
C6818A	Two-sided, gloss, 50 sheets, A4	
C6820A	Two-sided, gloss, 20 sheets, legal	
C6821A	Two-sided, gloss, 20 sheets, A3	

hp premium photo paper
C6039A	Gloss, 15 sheets, letter	
C6979A	Gloss, 50 sheets, letter	
C6040A	Gloss, 15 sheets, A4	
C6058A	Gloss, 20 sheets, legal	
C6059A	Gloss, 20 sheets, A3	

hp premium plus photo paper
C6831A	Gloss, 20 sheet, letter	
C6832A	Gloss, 20 sheet, A4	
C6950A	Matte, 20 sheet, letter	
C6951A	Matte, 20 sheet, A4	

hp bright white inkjet paper
C1824A	500 sheet, letter	
C5976A	200 sheet, letter	
C1825A	500 sheet A4	
C5977A	200 sheet A4	
C1858A	200 sheet, A3	

hp premium inkjet transparency film
C7028A	50 sheet, letter	
C3835A	50 sheet, A4	

interface & cables
Q1249A	Server-based software RIP (HP Designjet 10ps)	
Q1250A	Pre-press software RIP (HP Designjet 10ps/20ps)	
C6518A	USB cable 2 m	

network
J3110A	HP Jetdirect internal print server, Ethernet (10Base-T)	
J3111A	HP Jetdirect internal print server, Ethernet (10Base-T, 10Base2) and LocalTalk	
J4167A	HP Jetdirect internal print server, Token Ring	
J4169A	HP Jetdirect internal print server, Ethernet/Fast Ethernet (10/100Base-TX)	

For more information on the HP Designjet 10ps or 20ps, 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 peripherals, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

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

Microsoft

PANTONE Digital Color