

HP PaintJet XL300 colour printer

Technical Data

Features

- 300 dpi, high-end quality colours, plus laser-quality text.
- Prints on plain paper, including copier paper, bond, even recycled grades.
- Compatible with optional HP LaserJet printer fonts and accessories.
- Optional Adobe PostScript Level 2.
- Optional Network Printer interface cards.
- Ideal for mixed PC, Macintosh, and workstation environments, with automatic printer language switching and automatic interface switching.
- Standard 2 MB memory, expandable to 18 MB.



Powerful, persuasive, and professional – that describes your business communications when they are created in full-page colour. Add “*practical, affordable and smart*” and you’ve just described the Hewlett-Packard PaintJet XL300 colour printer. With its 300 dpi resolution, the HP PaintJet XL300 colour printer provides brilliant high-end colour output on plain paper.

The printer’s richly saturated colours really dazzle on HP JetSeries media: special paper for more vibrant colour graphics; new glossy paper for near photo-

graphic realism; and transparency film for realistic overhead presentations.

For Windows and Macintosh users, the HP PaintJet XL300 printer features up to 16.8 million output colours, screen-to-printer colour matching, Pantone-certified colours, and a “most vivid” choice that maximizes colour saturation.

The HP PaintJet XL300 printer’s 200-sheet, automatic-feed media tray handles both paper and transparency film.

All this from the proven dependability and clean, quiet operation of inkjet technology.

HP LaserJet printer compatible connectivity

With HP LaserJet printer compatibility built in, the HP PaintJet XL300 colour printer is the ideal printer to add to your HP LaserJet printer environment. Use all of your HP LaserJet printer font cartridges in the HP PaintJet XL300 colour printer. Compatibility with the HP LaserJet III Si printer is especially strong, giving you access to a wide array of optional font cartridges, network printer interface cards, and memory SIMMs.

The printer comes standard with Centronics parallel, interface and a second, user-switchable port with LocalTalk/RS-422 serial interfaces. HP's optional Network Printer Interface cards (as well as third-party cards) allow direct network connection giving you faster printer performance and improved network efficiency. The list of networks supported* includes Novell NetWare and 3Com 3+OPEN in both Ethernet and Token Ring environments; TCP/IP; and EtherTalk, for faster Apple Macintosh networking.

Broad software compatibility

You'll have instant compatibility with a vast array of software, because printer drivers for Microsoft Windows and Macintosh are included. The HP PaintJet XL300 colour printer enjoys wide software support for MS-DOS® too. Plus, standard HP-GL/2 lets you print most pen-plotter files with ease. HP PaintJet XL300 emulation mode is also included.

* Novell/Ethernet and Novell/Token Ring are currently supported. All other networks listed will be supported in the Autumn of 1992.

PCL 5C gives you the professional edge

The HP PaintJet XL300 colour printer is the first printer to feature a colour version of PCL 5 (PCL 5C), the advanced printer language used in the HP LaserJet III printer family. Powerful and efficient, PCL 5 gives you these advantages:

- Document portability of your HP LaserJet printer files (same 4.2 mm print margins, same pagination, same font sets).
- Compatibility with virtually all popular software applications.
- Built-in Intellifont font-scaling technology for fast scaling of the printer's 13 scalable typefaces, plus 14 built-in bitmapped fonts.
- Access to the hundreds of scalable typefaces in the HP MasterType library.
- For Windows users, support for third-party font solutions, including Adobe Type Manager, Agfa Compugraphic Intellifont, TrueType, and Bitstream FaceLift. For Macintosh users, support for Adobe Type Manager and TrueType.
- Includes the full command set of HP-GL/2, HP's vector graphics language.

Colour the way you want it

Because a computer screen displays colours with light from glowing phosphors and a printer creates colour using inks, the two display modes have inherent differences. For Window and Macintosh environments, HP's printer software, with built-in HP Colour Enhancement technology, automatically optimizes the colour match between the appearance of your screen and your printer output.

Both Windows and Macintosh give you a choice of colour modes:

- *Screen-matching mode.* Printed output matches both hue and saturation to those shown on your monitor.
- *Vivid colour mode.* Printed output matches the hues shown on your monitor, but the saturation is stronger, for richer, more intense printed colours.
- *Nonadjusted colour mode.* Used with a colour scanner, such as the HP ScanJet IIc, this mode reproduces exactly the colours scanned in.

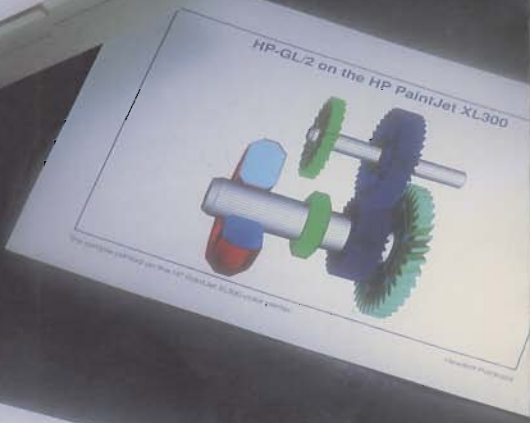
If you work with Pantone-licensed software applications (such as Aldus PageMaker, CorelDRAW, and others), you can print Pantone-approved colours with an HP PaintJet XL300 colour printer. For graphic designers, that means colour proofs – for layouts, illustrations, and designs – are easy, inexpensive, and they happen right on their desktop.

You also have a choice of dithering patterns: "Pattern" and "Cluster" dithering in both Windows and Macintosh environments, and "Scatter" in the Macintosh environment only.

Both the Windows and Macintosh printer drivers feature the friendly, intuitive user interfaces you expect, with easy-to-use dialog boxes for colour control.

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COMPANY PERFORMANCE

MARKETING CHANGES & NEW FIRMS

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This magazine printed on an HP PrintJet XL300 color printer.



A working partnership with HP LaserJet printers

An important consideration for business users, HP LaserJet printer compatibility is built into the HP PaintJet XL300. The HP PaintJet XL300 printer is the ideal "colourful companion" to your HP LaserJet printer. Shared features like font sets, print margins and printer languages give you the convenience of document portability. You can also share HP LaserJet printer accessories such as font cartridges, HP LaserJet III printer memory SIMMs (1-, 4-, and 8-Megabyte, for up to 18 MB total printer memory), and HP LaserJet IIISi network printer interface cards.

Adobe PostScript Level 2 option

Available as a full-integrated printer option or as a board-level upgrade, Adobe PostScript Level 2 brings unlimited graphic capabilities and 35 scalable typefaces to the HP PaintJet XL300 colour printer. As a standard in the publishing industry, the PostScript language also ensures extensive software support. For non-PostScript applications you can switch back to colour PCL 5 without leaving your desk. Since both printer languages remain co-resident, you get the highest degree of application compatibility.

Adobe PostScript Level 2 includes important new colour features and provides greater printing efficiency as well as being fully compatible with PostScript Level 1. This printer option or upgrade comes with an additional 4 MB of memory (for a total of 6 MB), upgradeable to a total of 18 MB for the most demanding graphics applications.

Resident Typefaces with the Adobe PostScript Level 2 Option (Actual HP PaintJet XL300 output shown in 10-point size.)

ITC Avant Garde Gothic (Book, *Book Oblique*, **Demi**, *Demi Oblique*)

ITC Bookman (Light, *Light Italic*, **Demi**, *Demi Italic*)

Courier (Medium, *Oblique*, **Bold**, *Bold Oblique*)

Helvetica (Medium, *Oblique*, **Bold**, *Bold Oblique*)

Helvetica Narrow (Roman, *Oblique*, **Bold**, *Bold Oblique*)

New Century Schoolbook (Roman, *Italic*, **Bold**, *Bold Italic*)

Palatino (Roman, *Italic*, **Bold**, *Bold Italic*)

Symbol (ΣΨΜΒΟΛσψμβολ!≡#%⊥)

Times (Roman, *Italic*, **Bold**, *Bold Italic*)

ITC Zapf Chancery Medium

ITC Zapf Dingbats (☆*✦*⊠*⊡*⊢*⊣*⊤*⊥*⊦*⊧*⊨*⊩*⊪*⊫*⊬*⊭*⊮*⊯*⊰*⊱*⊲*⊳*⊴*⊵*⊶*⊷*⊸*⊹*⊺*⊻*⊼*⊽*⊾*⊿)

Interface and cable requirements

System	Cable
HP Vectra PC or other IBM AT compatible with HP 24540 serial/parallel interface card.	HP 92284A
Macintosh Plus, Classic, Classic II, SE, Portable, LC, SE/30, Series II, Quadra Series, PowerBook Series - Direct connect	Apple System Peripheral-cable (M0197) or equivalent; orderable as HP 92215S
- Networking	Apple LocalTalk Locking Connector Kit (M2068) or equivalent; orderable as HP 92215N

Technical information

Printing

Technology	Plain-paper thermal inkjet printing
Graphics/text resolution	300 x 300 dpi
Media sizes	A4, A, A3, B, B4, Legal
Print orientation	Portrait and landscape
Graphics print speed	
A4 media	1.5 – 6 minutes per page (mpp)*
A3 media	3 – 10 mpp
Media handling	
Manual feed	Cut-sheet paper, film
Automatic feed	Cut-sheet paper and film, up to 200 sheets ¹
Print cartridges	1 black, 1 cyan, 1 magenta, 1 yellow
Standard buffer size	2 MB, expandable to 18 MB
Standard interfaces	Centronics parallel port and second port, user-configurable as LocalTalk or RS-422 serial.



Systems Configuration

Computer	HP Vectra PC; IBM-PC/XT/AT, compatibles, PS/2; Apple Macintosh Plus, Classic, Classic II, SE, Portable, LC, SE/30, Series II, Quadra Series, PowerBook Series. HP Apollo HP-UX workstation.
Memory required	MS-DOS; No added memory requirements; Windows 3.0-3.1 required hard disk with 3 MB of unused space. Macintosh requires hard disk with at least 2 MB of unused space.
System software	MS-DOS; Windows 3.0-3.1; Apple Macintosh system 6.05 and higher, including System 7 (also runs under MultiFinder)
Microprocessor	Intel 80960
Fonts	13 scalable typefaces CG Times, Univers, Univers Condensed, Zapf Dingbats (100, 200, 300 series); scalable from 0.25 to 999.75 points 14 bitmapped fonts: Courier 10 and 12 points (3 treatments), Line Printer 8.5 point. Any HP LaserJet printer font cartridge.
Optional Type scaling	Microsoft Windows 3.0, 3.1 driver supports Compugraphics Intellifonts, Adobe Type Manager, TrueType, Bitstream Facelift, and HP Type Director; Macintosh 6.05-7.0 driver supports Adobe Type Manager and TrueType; DOS: type scaling dependent on software application.

Environmental ranges

Temperature	
Operating	15 to 30° C (60 to 86° F)
Storage	-10 to 70° C (-40 to 158° F)
Humidity	
Paper	20 to 80% RH (15 to 30° C)
Transparency film	20 to 70% RH (15 to 30° C)
Acoustics, printing (per ISO DP 7779 standard)	
Sound pressure level-Lpa ²	47 dB (A)
Sound power level-Lwa	6.9 Bels (A)
Acoustics, standby	
Sound pressure level-Lpa ²	<20 dB (A)
Sound power level-Lwa	<3.6 Bels (A)

Power requirements

Source	90 to 264V +/- 10%
Frequency	48 – 66 Hz
Consumption	65 W maximum

Physical specifications

Height x Width x Depth	25.4 x 77.0 x 60.8 cm (10 x 30 x 20 in)
Net weight	20.45 Kg (45 lbs)
Shipping weight	26.43 Kg (58.14 lbs)

Product certifications

Safety	UL Listed; CSA 22.2 #950; NEMKO Approved; IEC 950/EN 60950 Compliant.
EMI	FCC Class B Certified, Registered VCCI, Class 2; SABS Approved.

* Dependent on media print mode, application, and configuration.

¹ Output tray capacity dependent on percentage of ink coverage.

² At 1-meter bystander position.

Ordering Information

Standard unit	
HP PaintJet XL300 colour printer includes 2 MB memory, Centronics and RS-422-A/AppleTalk interfaces, four print cartridges, printer resource software for Windows and Macintosh, A4 media tray, one power cord, user's guide kit	C1645A
PostScript options	
HP PaintJet XL300 colour printer with Adobe PostScript Level 2.	C1656A
Adobe PostScript Level 2 upgrade kit for HP PaintJet XL300 colour printer.	C1651A
Memory expansion options	
Board with 2 SIMM sockets, 0 MB installed	C1650A
Board with 2 SIMM sockets, 4 MB installed	C1652A
Memory SIMMs	
1 MB memory SIMM	C2063A
4 MB memory SIMM	C2065A
8 MB memory SIMM	C2066A
Network Printer interface cards supported	
Novell/Ethernet interface	C2059A
Novell/Token Ring interface	C2059C
12V power supply for AUI Ethernet connections	C1647A
Media trays	
A/A4/legal tray (standard)	C1648A
B size tray	C1653A
A3 size tray	C1654A
B4 size tray	C1655A
HP print cartridges	
Black print cartridge	51639A
Cyan print cartridge	51639C
Magenta print cartridge	51639M
Yellow print cartridge	51639Y
HP CX JetSeries paper	
A-size, 200 sheets	51630Y
A4-size, 200 sheets	51630Z
B-size, 200 sheets	51631A
A3-size, 200 sheets	51631B
HP LX JetSeries paper (glossy)	
A-size, 50 sheets	51636H
A4-size, 50 sheets	51636J
HP LX JetSeries transparency film	
A-size, 50 sheets	51636F
A4-size, 50 sheets	51636G

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