
HP 3630A PaintJet Color Graphics Printer

Technical Data

Features

- High-quality color graphics
- Fast near-letter-quality (NLQ) text
- Prints on paper or transparency film
- Attractive price
- IBM® compatibility
- Macintosh™ compatibility

The Hewlett-Packard PaintJet color graphics printer (HP 3630A) creates brilliant color graphics and near-letter-quality (NLQ) text on both paper and transparency film. It makes reports, memos, and presentation materials more effective by adding affordable, high-quality color.

High-Quality Color Graphics

The HP PaintJet printer produces smooth curves and lines because of its 180 dpi resolution. It has the capability of printing from eight colors to thousands of shades and hues, depending on application software.

Fast NLQ Text

Near-letter-quality text is printed at 167 characters per second (10 characters per inch), using internal ROM fonts. The HP PaintJet color graphics printer produces a page of text in 30-40 seconds.

Affordable color printer for high-quality graphics and text

Prints on Paper or Transparency Film

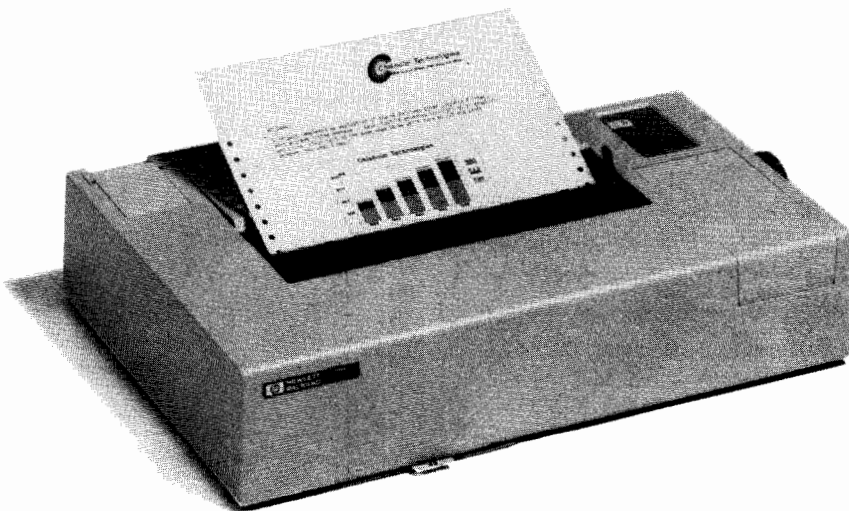
Special HP PaintJet paper and HP PaintJet transparency film are recommended for the brightest and sharpest color printing. Plain printer paper may be used for draft-quality output.

Attractive Price

The HP PaintJet color graphics printer's affordable price, combined with its quiet operation, makes it ideal for use at individual workstations.

IBM Compatibility

The HP PaintJet color graphics printer is compatible with the HP Vectra PC, IBM XT/AT and compatibles, and IBM PS/2. It is supported by leading MS®-DOS application software packages, including Lotus® 1-2-3® and Freelance® Plus, WordPerfect®, Harvard™ Graphics, HP Graphics Gallery, and Ashton-Tate® Draw Applause™. HP also offers a software driver that enables the HP PaintJet color graphics printer to work with Microsoft® Windows/286 2.1. With this new driver, you can use popular packages in the Microsoft Windows operating environment, including Microsoft Excel, Aldus PageMaker®, and Micrografx Designer®.



(For more software information, call 1-800-752-0900 toll-free and ask for "Software Features Support for the HP PaintJet Color Graphics Printer," P/N (11) 5957-3784.)

Macintosh Compatibility

The HP PaintJet color graphics printer, when teamed with the HP PaintJet Printer Interface Kit for Macintosh™ Computers, produces high-quality color output on Apple® Macintosh Plus, SE, and II computers (a hard disk is required to access all printer fonts). The interface kit, compatible with System Software 5.0 (System 4.2, Finder 6.0) and System Software 6.0.2 (System 6.0.2, Finder 6.1), includes a chooseselectable driver that converts QuickDraw™ images to PCL™ (the HP PaintJet's printer control language). It is compatible with application software that follows standard Apple printing guidelines, including MacDraw® II, Microsoft Word, Excel, PowerPoint, Cricket Presents, and many more.

Technical Information

Printing Process

Thermal inkjet drop-on-demand printing

Unidirectional and bidirectional black text printing

Unidirectional color printing on paper and transparency film

Cartridges: two disposable print cartridges—one black, one color

Nozzles: total of 60 in two print cartridges—30 black, 10 cyan, 10 magenta, 10 yellow

Typical cartridge lifetime:
Black pen: 1100 text pages (approximately 1.1 million characters)

Color pen: 180 pages of color graphics (with 13 percent solid area fill) or 160 overhead transparencies

Print Speed (NLQ)

167 characters per second at 10 pitch

200 characters per second at 12 pitch

30-40 seconds per typical page of text

Full-page color graphics, 4 minutes or less on paper, 8 minutes or less on transparency film*

Character Cell Structure

15 × 30-dot print character cells

Graphics Resolution

180 × 180 dots-per-inch

Character Sets

HP Roman8, PC-8, PC-8 (Danish/Norwegian), ECMA-94, Latin 1; US ASCII

ISO 7-bit languages; supports German, French, Italian, Danish/Norwegian, Finnish/Swedish, Spanish, United Kingdom

Printing Format

Print Mode	Print Size	Char./in.	Char./line
Courier	12 point	10	80
Letter Gothic	10 point	12	96
Letter Gothic	8 point	18	144

Also bold, underline, superscript, and subscript

Media

Cut sheet paper, A4 (210 × 297 mm) and 8.5 × 11 in.

Z-fold paper, 210 mm × 12 in. (304.8 mm) and 8.5 × 11 in.

Single-sheet film, A4 (210 × 297 mm) and 8.4 × 11 in. (finished size)

HP PaintJet paper is recommended for best results. Other papers may be used for draft-quality output. Only HP PaintJet transparency film should be used to produce presentation overheads.

Media Handling

Friction and sprocket feed
Z-fold and cut sheet paper
Single-sheet transparency film

Control Panel

Buttons: power on, top-of-form, line feed, form feed

Indicators: paper out (amber), power light (green)

Single Interface Options

RS-232-C/CCITT V.24 serial
HP-IB (IEEE 488-1978)
Centronics parallel

Buffer Size

500 to 8000 bytes, depending on use of downloaded characters

*Output times will vary, depending on image complexity, application software, and model of computer.



Environmental Ranges

Temperature:

Operating: 15 to 30 degrees C
(59 to 86 degrees F)

Storage: -40 to 70 degrees C
(-40 to 158 degrees F)

Humidity:

Paper: 20 to 80% RH (at 10 to 30 degrees C)

Transparency film: 20 to 50% RH (at 10 to 35 degrees C)

Acoustics (per ISO DP 7779 standard):

Sound power level-Lwa:
5.3 bels (A) typical

Sound pressure level-Lpa:
43 dB(A) @ 1 meter bystander position

Power Requirements

Source: 100, 120, 220, 240 volts
AC ($\pm 10\%$)

Frequency: 48-66 Hz

Consumption: 20 W maximum

Physical Specifications

Height: 98 mm (3.86 in.)

Width: 442 mm (17.40 in.)

Depth: 302 mm (11.89 in.)

Net weight: 5 kg (11 lb)

Shipping weight: 10.6 kg (23.3 lb)

Product Certifications

CSA approved, CSA C22.2 No. 220; UL Listed, UL-478; TUV Approved, GS Mark, IEC-380; FCC Certified, Class B; VDE Radio Protection Mark, Level B; VCCI Approved, Class 2

Estimated Typical Usage

Less than 50 pages per day

Interface and Cable Requirements

System	Interface	Cable
HP Vectra PC with HP 24540A/B serial/parallel interface card or HP 24541A/B dual serial interface card using 9-pin connector	Serial	HP 24542G
HP Vectra PC with HP 24541A/B dual serial interface card using 25-pin connector	Serial	HP 17255M
HP Vectra PC with HP 24540A/B serial/parallel interface card	Parallel	HP 92219K
HP Touchscreen PC	Serial	HP 17255M
HP Touchscreen PC	Parallel	HP 13242D
HP Touchscreen PC and HP 9000, Series 300	HP-IB	HP 10833A (1.0 m) HP 10833B (2.0 m) HP 10833C (3.0 m) HP 10833D (0.5 m)
IBM PS/2, PC, PC-XT, and compatibles	Serial	HP 17255D
IBM PS/2, PC, PC-XT and compatibles	Parallel	HP 92219K
IBM AT and compatibles	Serial	HP 24542G
IBM AT and compatibles	Parallel	HP 92219K
Apple Macintosh Plus, SE, and II	Serial	HP 17302A

Ordering Information

Standard Unit

3630A

HP PaintJet color graphics printer

Option number:

001 RS-232-C/CCITT V.24 serial interface

002 HP-IB (IEEE 488-1978) interface

004 Centronics parallel interface

Note: Interface cables must be ordered separately.

Included with all HP PaintJet printer options

User's guide (language appropriate to destination)

Power module (appropriate to destination)

One black print cartridge

One color print cartridge

250 sheets of HP PaintJet paper

5 sheet of HP PaintJet transparency film with protective sleeves

Supplies

51606A	Black print cartridge
51606C	Color print cartridge
51630P	Z-fold paper, 8.5 × 11 in., 250 sheets
51630R	Z-fold paper, 210 mm × 12 in. (304.8 mm), 250 sheets
51630Y	Cut sheet paper, 8.5 × 11 in., 250 sheets
51630Z	Cut sheet paper, A4 (210 × 297 mm), 250 sheets
51630Q	Single-sheet transparency film, 8.4 × 11 in. (finished size), 50 sheets (with plastic sleeves)
51630S	Single-sheet transparency film, A4 (210 × 297 mm), 50 sheets (with plastic sleeves)
92269A	Printer stand
92250Z	Dust cover
03630-90000	Hardware support manual

Accessories

17305A HP PaintJet Printer Interface Kit for Macintosh Computers*

Interface kit includes: one disk with chooser-selectable, QuickDraw™-compatible driver and installer; one disk with printer fonts corresponding to Macintosh Times®, Helvetica®, Courier, and Symbol screen fonts in 10-, 12-, 14-, 18-, 24-, 30-, and 36-point sizes; "plug-and-go" cable; users' guide

17301A HP PaintJet Soft Fonts for Microsoft Windows

*Requires RS-232 serial interface (Opt. 001)

Fonts from **HP PaintJet Soft Fonts for Microsoft Windows** (in 8, 10, 12, and 14 point sizes)

Tms Rmn 10 pt. Normal
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Tms Rmn 10 pt. Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Tms Rmn 12 pt. Normal
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Tms Rmn 12 pt. Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Helvetica 10 pt. Normal
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Helvetica 10 pt. Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Helvetica 12 pt. Normal
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Helvetica 12 pt. Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Fonts from **The HP PaintJet Printer Interface Kit for Macintosh Computers** (in 10, 12, 14, 18, 24, 30, and 36 point sizes)

CS Times
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

CS Helv
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

CS Courier
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

CS Symbol
αβχδϕγηηθκλνοπρστ

HP PaintJet Printer Internal (ROM) Fonts

Courier,
10 pitch, 12 point
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Letter Gothic,
12 pitch, 10 point
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Letter Gothic,
18 pitch, 8 point
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

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