
HP Small-format Color Desktop Plotters

Product Brief

Precision color for
charts and drawings



HP color desktop plotters set the standard for output quality, software support and reliability. When you need precision color for charts and drawings—smooth circles, crisp characters, ruler-straight lines, and evenly filled areas—or you need transparencies that are truly brilliant, HP desktop plotters are the tools of choice. Plus, HP plotters work with the entire spectrum of graphics applications—integrated software, business graphics, CAD packages, scientific analysis, project scheduling, and more. Whether it's HP's top-of-the-line 7550 Plus, the HP 7475A, or the personal-sized HP ColorPro, an HP color desktop plotter will give the best features and the highest reliability at the right price.

Features

- High-quality color graphics
- Convenient size and design for desktop use
- Support for paper and transparency output
- Unmatched software support
- Compatibility with a wide range of computers—personal, mini, and mainframe
- HP reliability

HP 7550 Plus

The fast, high-volume plotter with automatic sheet feed

Added Features

Fast throughput with extensive built-in intelligence

- Automatic sheet feed
- 1- or 2-megabyte memory board option
- HP-GL and HP-GL/2 language capability
- Best media flexibility and pen versatility in a desktop plotter
- Flexible interface options
- Front-panel operation



HP 7475A

The personal plotter for business graphics and CAD

Added Features

- Two media sizes: A4/A and A3/B
- Wide range of pen and media combinations
- Two interface options, including "eavesdrop" capability
- Built-in intelligence
- Plot-buffering software included

HP ColorPro

The personal plotter for scientific and business graphics applications

Added Features

- Accepts A4/A-size paper and transparency film
- Eight-pen carousel
- Two interface options
- ROM cartridge slot
- Plot-buffering software included

HP 7550 Plus

The HP 7550 Plus has all the features you'd expect from HP's top-of-the-line color desktop plotter—fast pen speed, high-quality output, complete pen and media support, and convenient operation—*plus* a number of performance features that we know you want.

Faster throughput, increased reliability, I/O flexibility, and buffer options now make the HP 7550 Plus the plotter of choice for high-volume individual users and multi-user departments.

Fast and Precise

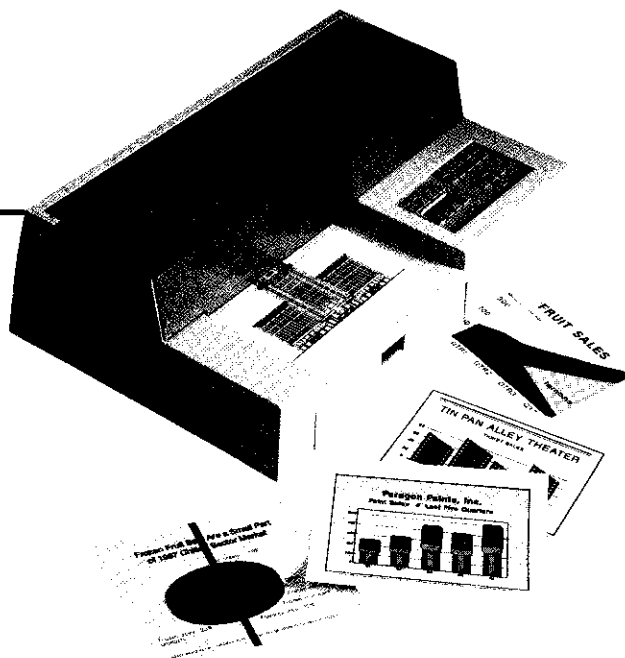
The HP 7550 Plus features unsurpassed 6 g acceleration and a maximum pen speed of 80 cm/s. Built-in intelligence and fast pen speed give the 7550 Plus unmatched throughput for a desktop plotter. With an addressable resolution of 0.025 mm (0.001 in) and mechanical resolution of 0.006 mm (0.00025 in), the HP 7550 Plus produces straight lines and smooth curves, further enhanced by a curved-line generator.

Automatic Sheet Feed

With automatic sheet-feed capability for both regular paper and transparency film, the HP 7550 Plus offers users reliable, unattended operation, setting the standard for desktop plotters. The supply tray can hold 150 sheets of regular paper or 100 sheets of transparency film.

Memory Board Options

With either the 1- or 2-megabyte optional memory board acting as a buffer, the user can download plot files to the HP 7550 Plus and regain control of the computer without having to wait for finished output. Either of the memory board options also adds full replot and multiple plot capabilities to the HP 7550 Plus.



HP-GL/2 Capability

While retaining software compatibility with the HP 7550A (HP-GL), the HP 7550 Plus also supports HP-GL/2, the new vector graphics standard from HP. This means that HP-GL/2 power—compressed files, an advanced instruction set, and compatibility with HP's large-format plotters—is now available on the desktop.

Convenient Operation

The eight-pen carousel allows a variety of pen colors and tip widths to be loaded at one time. The pens are capped when not in use so the ink will flow when the pen touches the media. The HP 7550 Plus automatically sets the optimal pen force and speed and also senses the paper size to determine proper plot margins.

Complete Pen and Media Support

HP 7550 Plus users can select from A3/B- and A4/A-size paper (regular and glossy), double-matte polyester film, and vellum, as well as A4/A-size transparency film. Pen choices include liquid ink (refillable and disposable), rollerball, and paper and transparency fiber-tip. HP's new disposable SurePlot pens have a ceramic tip for clog-free plotting and a precision-designed regulator to prevent leaking.

Flexible I/O Operation

Recognizing the diverse application environments for the HP 7550 Plus, HP now offers two back panel configurations: 1) one HP-IB and two RS-232-C connectors or 2) one Centronics parallel and one RS-232-C connector.

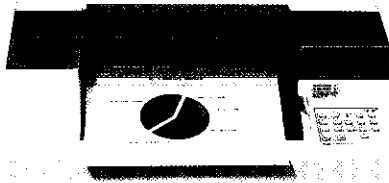
The HP-IB option includes RS-422-A capability and also allows the HP 7550 Plus to be connected in series between a computer and terminal, providing an "eavesdrop" function.

While not supporting eavesdrop mode, the Centronics configuration, having both parallel and serial connectors, is ideal for PC users. With the buffer option, Centronics users will enjoy faster transmission speed through the parallel port.

Front Panel Operation

Front panel enhancements include an easy-to-follow menu structure, six-language display capability, and replot commands (with the buffer option). Configuring the plotter, changing plotting area, rotating drawings 90 degrees, and aligning graphs to preprinted forms and grids can all be done from the front panel. The liquid-crystal display also reports plotter status and gives program messages.

HP 7475A



The HP 7475A color desktop plotter produces high-quality A4/A- and A3/B-size color graphics, making it ideal for professionals who need the larger drawings for PERT charts, flow-charts, project schedules, and CAD applications.

Wide Range of Pen and Media Combinations

HP 7475A users can select from paper (regular or glossy), overhead transparency film, and durable double-matte polyester film. The 6-pen carousel accepts fiber-tip pens for paper and transparencies or refillable liquid-ink pens for final-quality drawings on polyester film.

High-quality Output

With an addressable resolution of 0.025 mm (0.001 in) and excellent repeatability, the

HP 7475A ensures professional-quality output.

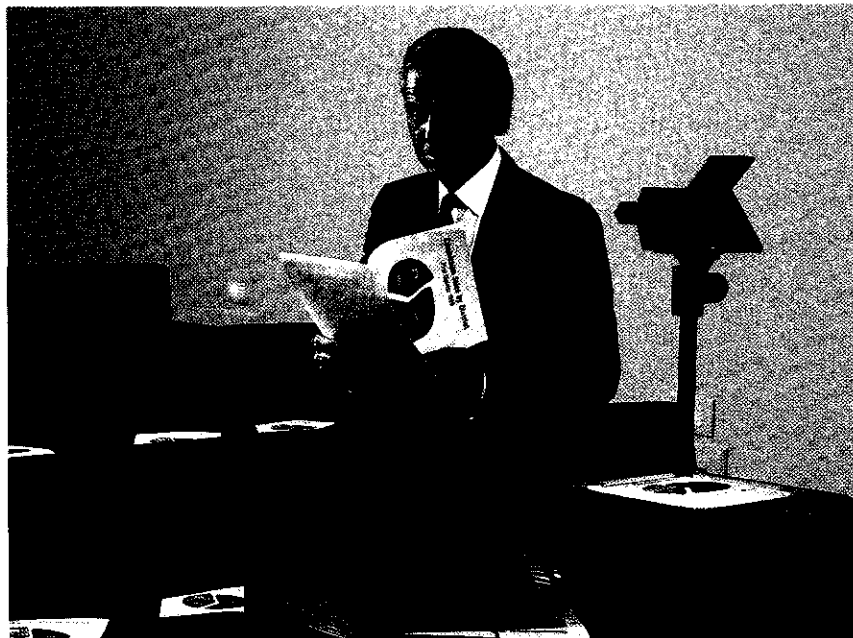
Hardware Compatibility

A choice of two interfaces, either RS-232-C or HP-IB, makes it easy to configure an HP 7475A with almost any system—personal computers, mainframes, even smart instruments. With an additional eavesdrop cable, the RS-232-C plotter can be connected in series between a computer and terminal.

Built-in Intelligence

The HP 7475A's control-panel keys can alter the size of the drawing area when switching media sizes or can rotate the plot 90 degrees. Control-panel keys can also be used in conjunction with a digitizing sight.

Programmers will appreciate the intelligence features which eliminate the need for software-generated characters and functions. HP-GL instructions (more than 50) govern such tasks as labeling, pen movement, and drawing arcs and circles.



HP Plotters' smooth lines, solid fills, and brilliant colors are unbeatable for overhead transparencies and report graphics.

HP ColorPro



Designed for the professional, the HP ColorPro plotter creates impressive color graphics on overhead transparency film and on regular and glossy paper. The ColorPro's lightweight, compact design makes it ideal for desktop use with a personal computer.

High-quality Presentations

With an addressable step size of 0.025 mm (0.001 in), the HP ColorPro will give every presentation the precision edge.

Eight-pen Carousel

The ColorPro's eight-pen carousel provides access to a spectrum of ten colors and two different tip widths. One carousel holds both paper and transparency pens.

Two Interface Options

The ColorPro plotter comes with one of two interface options—RS-232-C or HP-IB. It can also be used with minicomputers and mainframes but does not support eavesdrop capability.

ROM Cartridge Option

As an accessory to the HP ColorPro, HP offers a Graphics Enhancement Cartridge (HP 17440A) which adds an extended HP-GL instruction set, a larger RS-232-C buffer (1024 bytes), and 14 ISO character sets.

Technical Information

	HP 7550 Plus	HP 7475A	HP ColorPro
Performance Characteristics			
Media Sizes	210 × 297 mm (ISO A4) 8.5 × 11 in (ANSI A) 297 × 420 mm (ISO A3) 11 × 17 in (ANSI B)	210 × 297 mm (ISO A4) 8.5 × 11 in (ANSI A) 297 × 420 mm (ISO A3) 11 × 17 in (ANSI B)	210 × 297 mm (ISO A4) 8.5 × 11 in (ANSI A)
Media	Paper (regular and glossy), transparency film, vellum, double-matte polyester film (automatic sheet feed for regular paper and transparency film only)	Paper (regular and glossy), transparency film, double-matte polyester film	Paper (regular and glossy), transparency film
Pens	Number: 8 in carousel Type: Liquid-ink (refillable and disposable), roller ball, fiber-tip (paper and transparency)	Number: 6 in carousel Type: Fiber-tip (paper and transparency), refillable short-body liquid ink	Number: 8 in carousel Type: Fiber-tip (paper and transparency)
Resolution			
Addressable	0.025 mm (0.001 in)	0.025 mm (0.001 in)	0.025 mm (0.001 in)
Mechanical	0.00625 mm (0.00025 in)	0.025 mm (0.001 in)	0.025 mm (0.001 in)
Repeatability	With a given pen: 0.1 mm (0.004 in)	With a given pen: 0.1 mm (0.004 in) Pen to pen: 0.2 mm (0.008 in)	With a given pen: 0.1 mm (0.004 in)
Pen Velocity			
Pen down, maximum	80.0 cm/s (31.5 in/s)	38.1 cm/s (15.0 in/s)	40.0 cm/s (15.7 in/s)
Programmable	1 to 80 cm/s in increments of 1 cm/s	0.4 to 38.1 cm/s in increments of 0.4 cm/s	1.0 to 40.0 cm/s in increments of 1.0 cm/s
Acceleration	Approximately 6 g; Pen force, from the program or front panel: -15 to 66 grams	Approximately 2 g	Approximately 1.2 g
Plotting Area	Pen axis: 254.0 mm (9.97 in) for A/B; 272.0 mm (10.65 in) for A4/A3 Paper axis: 196.0 mm (7.68 in) for A; 190.0 mm (7.45 in) for A4; 411.0 mm (16.12 in.) for B; 399.0 mm (15.65 in) for A3	Pen axis: 258.0 mm (10.2 in) for A/B; 275.0 mm (10.8 in) for A4/A3 Paper axis: 198.0 mm (7.80 in) for A; 192.0 mm (7.56 in) for A4; 414.0 mm (16.3 in) for B; 402.0 mm (15.8 in) for A3	272 × 191 mm for A4 257 × 191 mm for A
Buffer Size	32 Kbytes 1 or 2 megabytes with optional memory boards	1024 bytes PrintCache software buffer by LaserTools included	60 bytes 1024 bytes with Graphics Enhancement Cartridge PrintCache software buffer by LaserTools included
Character Sets	(Each in two fonts) French/German, HP 9825, Scandinavian, Spanish/Latin American, Roman Extensions, and these ISO registered sets: ANSI ASCII (006), French (025), German (021), International Reference Version (002), Italian (015), JIS ASCII (014), Katakana (013), Norwegian I (060), Norwegian II (061), Portuguese (016), Spanish (017), Swedish (010), Swedish for Names (011), United Kingdom (004)	French/German, HP 9825, Scandinavian, Spanish/Latin American, Roman Extensions, and these ISO registered sets: ANSI ASCII (006), French (025), German (021), International Reference Version (002), Italian (015), JIS ASCII (014), Katakana (013), Norwegian I (060), Norwegian II (061), Portuguese (016), Spanish (017), Swedish (010), Swedish for Names (011), United Kingdom (004)	ANSI ASCII, French/German, HP 9825, Scandinavian, Spanish/Latin American

Technical Information (continued)

	HP 7550 Plus	HP 7475A	HP ColorPro
Environmental Ranges			
Temperature			
Operating:	0 to 55 degrees C (32 to 131 degrees F)	0 to 55 degrees C (32 to 131 degrees F)	0 to 55 degrees C (32 to 131 degrees F)
Storage:	-40 to 75 degrees C (-40 to 167 degrees F)	-40 to 75 degrees C (-40 to 167 degrees F)	-40 to 75 degrees C (-40 to 167 degrees F)
Humidity	Operating with automatic sheet feed (transparency): 25 to 75% (at 15 to 35 degrees C)	Operating: 5 to 95% (at 40 degrees C)	Operating: 5 to 95% (at 40 degrees C)
Power Requirements			
Source	100, 120, 220, 240 V, -10%, +5%	100, 120, 220, 240 V, -10%, +5%	100, 120, 220, 240 V, -10%, +5%
Frequency	48-66 Hz	48-66 Hz	48-66 Hz
Consumption	105 W maximum	35 W maximum	20 W maximum
Physical Specifications			
Height × Width × Depth	Minimum: A4/A, no catcher 215 × 670 × 432 mm (8.5 × 26.4 × 17.0 in) Maximum: A3/B, with catcher 215 × 670 × 896 mm (8.5 × 26.4 × 35.3 in)	127 × 568 × 367 mm (5.0 × 22.4 × 14.5 in)	125 × 460 × 308 mm (4.9 × 18.1 × 12.1 in)
Net weight	17.3 kg (38.0 lb)	7.0 kg (16.0 lb)	5.5 kg (12.0 lb)
Shipping weight	25.0 kg (55.0 lb)	11.0 kg (25.0 lb)	8.6 kg (19.0 lb)
Product Certifications			
	UL listed, CSA certified, TUV GS licensed, NEMKO approved, IEC 950 compliance, FCC B certified, VDE 0871-B RPM, VCCI-2 registered, SABS approved	UL listed, CSA certified, TUV GS licensed, NEMKO approved, FEI certified, IEC 380 compliance, FCC B certified, VDE 0871-B RPM, VCCI-2 registered	UL listed, CSA certified, TUV GS licensed, IEC 380 compli- ance, FCC B certified, VDE 0871-B RPM

Ordering Information

Standard Unit	7550B, HP 7550 Plus Color desktop plotter	7475A Color desktop plotter	7440A, HP ColorPro Color desktop plotter
Option numbers	005 HP-IB/two RS-232-C/ CCITT V.24/RS-422-A/ eavesdrop 006 Centronics/one RS-232-C/ CCITT V.24	001 RS-232-C/CCITT V.24 002 HP-IB (IEEE 488-1978)	001 RS-232-C/CCITT V.24 002 HP-IB (IEEE 488-1978)
Accessories included	Users Guide, Computer Informa- tion*, power cord*, plotter paper sampler (A4/A size*), transpar- ency film sampler (A4/A size*), carousel for fiber-tip pens, carousel for fiber-tip transpar- ency pens, assorted fiber-tip paper and transparency pens, automatic sheet-feed equipment (A4/A-size media loading tray and A4/A-size paper catcher*), HP Supplies Source	Operation and Interconnec- tion Manual*, reference card, power cord*, plotter paper sampler (A4/A size*), trans- parency film sampler (A4/A size*), six-pen carousel for fiber-tip pens, assorted fiber- tip paper and transparency pens, HP Supplies Source	Operation Manual*, power module*, plotter paper sampler (A4/A size*), transparency film sampler (A4/A size*), carousel for fiber-tip pens, assorted fiber- tip paper and transparency pens, HP Supplies Source

* Media size, language, and power specifications appropriate to plotter destination

Interface and Cable Requirements

System	HP 7550 Plus	HP 7475A	HP ColorPro
HP Vectra PC with HP 24540A/B serial/parallel interface card or HP 24541A/B dual serial interface card using 9-pin connector	HP 24542H (serial) HP 92284A (parallel)	HP 24542G	HP 24542G
HP Vectra PC with HP 24541A/B dual serial interface card using 25-pin connector	HP 17255D	HP 17255M	HP 17255M
HP Touchscreen PC using serial interface	HP 17255D	HP 17255M	HP 17255M
HP Touchscreen PC using HP-IB interface	HP 10833A (1.0m) HP 10833B (2.0m) HP 10833C (4.0m) HP 10833D (0.5m)	HP 10833A (1.0m) HP 10833B (2.0m) HP 10833C (4.0m) HP 10833D (0.5m)	HP 10833A (1.0m) HP 10833B (2.0m) HP 10833C (4.0m) HP 10833D (0.5m)
IBM PS/2, PC, PC-XT, and compatibles	HP 17255F (serial) HP 92284A (parallel)	HP 17255D	HP 17255D
IBM PC-AT and compatibles	HP 24542H (serial) HP 92284A (parallel)	HP 24542G	HP 24542G
Apple Macintosh 128K and 512K	HP 92219M and HP 92224F	HP 92219M	HP 92219M
Apple Macintosh Plus, Macintosh SE, and Macintosh II	HP 17302A and HP 92224F	HP 17302A	HP 17302A
Apple IIe	HP 17355D	HP 17355M	HP 17355M

Accessories Available

HP 7550 Plus	HP 7475A	HP ColorPro
07550-90000 Hardware Support Manual	07475-90000 Hardware Support Manual	17440A Graphics Enhancement Cartridge
07550-90001 7550A Interfacing/Programming Manual (for HP-GL programming in 7550A emulation mode only)	07475-90001 Interfacing/Programming Manual	07440-90000 Hardware Support Manual
07550-60050 Additional fiber-tip transparency pen carousel	5061-5080 Additional fiber-tip pen carousel	07440-90001 Programming Manual
07550-60051 Additional fiber-tip paper pen carousel	07475-60030 Liquid-ink drafting pen carousel	07440-60085 Additional fiber-tip pen carousel
07550-60052 Roller-ball pen carousel		
07550-60053 Liquid-ink drafting pen carousel		
17092A Automatic sheet-feed kit for 11 x 17 in media (B size), includes loading tray, paper catcher, and 50 sheets of 11 x 17 in paper		
17093A Automatic sheet-feed kit for 297 x 420 mm media (A3 size), includes loading tray, paper catcher, and 50 sheets of 297 x 420 mm paper		
33474B 1-Megabyte Memory Board		
33475B 2-Megabyte Memory Board		
5959-9733 HP-GL/2 Reference Guide		
5959-9734 HP-GL/2 Product Comparison Guide		

For a complete list of available supplies, check the current version of the HP Supplies Source or the Hewlett-Packard PC Peripheral Products Price List.



For your nearest authorized HP dealer in the United States, call toll-free: 1-800-752-0900. For HP regional and worldwide offices, refer to the list below:

United States:

Hewlett-Packard Company
4 Choke Cherry Road
Rockville, MD 20850
(301) 670-4300

Hewlett-Packard Company
5201 Tollview Drive
Rolling Meadows, IL 60008
(708) 255-9800

Hewlett-Packard Company
5161 Lankershim Blvd.
No. Hollywood, CA 91601
(818) 505-5600

Hewlett-Packard Company
2015 South Park Place
Atlanta, GA 30339
(404) 955-1500

Australia/New Zealand:

Hewlett-Packard Australia Ltd.
31-41 Joseph Street
Blackburn, Victoria 3130
Australia
(03) 895-2895

Canada:

Hewlett-Packard Ltd.
6877 Goreway Drive
Mississauga, Ontario L4V 1M8
(416) 678-9430

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1217 Meyrin 2
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41/22 780-8111

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Hewlett-Packard Asia Ltd.
22-30/F Bond Centre, West Tower
89 Queensway, Central, Hong Kong
(852) 848-7777

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Yokogawa-Hewlett-Packard Ltd.
15-7, Nishi Shinjuku 4 Chome
Shinjuku-Ku
Tokyo 160, Japan
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Latin American Region Headquarters
Monte Pelvoux No. 111
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11000 Mexico, D.F. Mexico
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