HEWLETT-PACKARD

ThinkJet Printers
Series HP2225

QuietJet Printers
Series HP2227 and 2228

HP JetSeries Printers
HP2225, 2227, 2228

HP ThinkJet and QuietJet Family Features

Quiet printing for personal productivity
- New plain-paper printing
- Excellent compatibility

Quiet Printing for Personal Productivity
The ThinkJet and QuietJet Series printers comprise a whole family of quiet personal convenience printers. So quiet you can talk on the telephone. So small you can easily fit any of them into your work area. From a small, battery-operated printer to wide-carriage desktop printer, there's a printer for you.

New Plain-paper Printing
A new optional plain-paper print cartridge gives you the freedom to use common office papers. For true economy and convenience, you can use the paper of your choice.

Excellent Compatibility
ThinkJet and QuietJet printers work with most popular software and personal or portable computers – HP, Apple, IBM, IBM-compatibles.

HP ThinkJet Printers
HP2225 Series

Compact, quiet, and reliable
- Portable for desk or on the road
- New quality mode for letters and reports
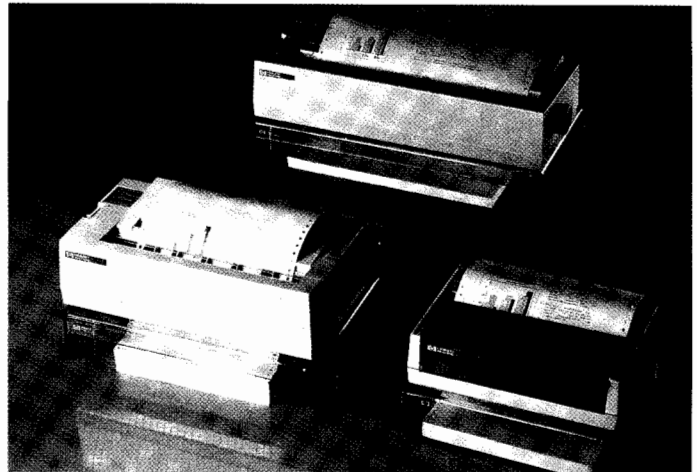
Compact, Quiet, and Reliable
The very compact and versatile ThinkJet Series printer delivers quick, quiet, dependable printing for office, home, or on-the-go. It produces easy-to-read text and graphics for personal productivity needs.

Portable for Desk or on the Road
You can match the ThinkJet printer (HP2225 B/P) with portable computers. It's rugged and lightweight. And its long battery life (about 200 pages between recharges) assures printing dependability wherever you go.

New Quality Mode for Letters and Reports
Now the ThinkJet printer family offers a new 150-cps quality-mode printing for important letters and reports.

HP QuietJet Printers
HP2227 and 2228 Series

Quiet, quality printing for personal productivity
- Quick 192-cps draft and 48-cps NLQ printing
- Convenient front control panel
- Paper-handling convenience

Quiet, Quality Printing for Personal Productivity
Whether you choose the **narrow-carriage** QuietJet printer (HP2228A) or the **wide-carriage** QuietJet Plus printer (HP2227A/B), you get quiet, quality printing for word processing, data base management, and computer graphics.

Convenient Front Control Panel
The convenient front control panel allows you to select 48-cps NLQ, 192-cps draft and compressed print with just one keystroke. In addition, you get six print pitches, superscripts, subscripts, boldface and underline.

Paper-handling Versatility
Adjustable tractors, last-form tearoff, and a paper advance knob allow for inserting, adjusting, even tearing off paper quickly and easily.

ThinkJet Printer Specifications

Printing Process
Thermal inkjet printing

Print Speed
Draft mode: 150 cps at 12 cpi
Quality mode: 150 cps at 12 cpi

Command Language and Emulation
HP Printer Command Language PCL level 1+; Epson MX80 compatible
Switch selectable HP/alternate (Epson) modes

Character Cell Structure
11 (h) × 12 (v)

Graphics Resolution
96 × 96 dots per inch dot-addressable graphics
192 × 96 dots per inch, double density mode

Character Sets
Roman8, PC8, PC8 (Danish/Norwegian), ASCII, ISO 7-bit languages (U.K., Germany, France, Italy, Norway, Sweden, Spain, Portugal, JIS ASCII)

Printing Format
Normal (12 cpi): 80 char./line
Expanded (6 cpi): 40 char./line
Compressed (21.3 cpi): 142 char./line
Expanded-Compressed (10.7 cpi): 71 char./line

Paper Handling
Friction feed for single sheets
Pin feed for continuous Z-fold paper
Paper widths: 8.5" × 11" (U.S. standard)
          21.0 cm × 29.7 cm (metric A-4)

Note: For optimal print quality, use HP JetPaper.

Control Panel
Buttons: Top-of-form, line feed, form feed
Indicators: Power on, paper out

Interfaces and Power Sources
HP-IB parallel, AC line power (HP2225A)
HP-IL serial, DC battery power (HP2225B)
Centronics parallel, AC line power (HP2225C)
RS-232C serial, AC line power (HP2225D)
Centronics parallel, DC battery power (HP2225P)

Buffer Size
1K bytes

Environmental
Temperature: 10° to 40°C (50° to 104°F) operating; −20° to 60°C (−4° to 140°F) non-operating
Humidity: 10 to 90% RH non-condensing
Acoustics: (per ISO 7779 standard)
    Sound pressure level − L_{pA}: < 50dBA @ front bystander position

Power Requirements
Input voltage: 120 VAC (+5%, −10%) at 47.5–63 Hz
Power consumption: 10 W maximum, non-printing, 18 W maximum printing

Physical Specifications
Height: 8.9 cm (3.5")
Width: 2.92 cm (11.5")
Depth: 20.6 cm (8.1") D
Weight: 3.36 kg (7.4 lbs.) HP2225A, 2.5 kg (5.5 lbs.) HP2225B, 3.1 kg (6.8 lbs.) HP2225C and HP2225D, 3.54 kg (7.8 lbs) 2225P

Product Certifications
UL, CSA, FEI, NEMKO, TUV, VDE/FTZ, IEC compliance, FCC Class B Certified per FCC Rules, Part 15, Subpart J, when used with a Class B computing device.

Estimated Usage
40 pages per day

QuietJet Printer Specifications

Printing Process
Thermal inkjet printing

Print Speed
Draft mode: 192 cps at 12 cpi, 160 cps at 10 cpi
NLQ mode: 48 cps at 12 cpi, 40 cps at 10 cpi

Command Language and Emulation
HP Printer Command Language PCL level 1+; Epson
  MX80 compatible
Switch selectable HP/ alternate (Epson-type) modes

Character Cell Structure
Draft mode: 19 (h)×16 (v)
NLQ mode: 19 (h)×32 (v)

Graphics Resolution
96×96 dots per inch dot-addressable graphics
192×96 dots per inch, double density mode
192×192 dots per inch, quadruple density mode

Character Sets
Roman8, PC8, PC8 (Danish/Norwegian), ASCII, ISO
  7-bit languages (U.K., Germany, France, Italy, Nor-
  way, Sweden, Spain, Portugal, JIS ASCII)

Printing Format

Print Mode	HP2228A char./line	HP2227A/B char./line
Normal	80 at 10 cpi	132 at 10 cpi
	96 at 12 cpi	158 at 12 cpi
Expanded	40 at 5 cpi	66 at 5 cpi
	48 at 6 cpi	79 at 6 cpi
	85 at 10.7 cpi	141 at 10.7 cpi
Compressed	170 at 21.3 cpi	281 at 21.3 cpi

Paper Handling
Friction feed for single sheets
Tractor feed for continuous Z-fold paper
Paper widths (2228): 10.2 cm (4") to 24.8 cm (9¾")
Paper widths (2227): 10.2 cm (4") to 38.1 cm (15")

Note: For optimal print quality, use HP JetPaper.

Control Panel
Buttons: On-line, form feed, line feed
Indicators: NLQ mode, draft mode, compressed mode

Interfaces
Centronics parallel and RS-232C serial (2227A/2228A)
HP-IB parallel (2227B)

Buffer Size
2K bytes, expandable up to 18K

Environmental
Temperature: 10° to 40°C (50° to 104°F) operating;
  −20° to 60°C (−4° to 140°F) storage
Humidity: 10 to 90% RH, non-condensing
Acoustics: (per ISO 7779 standard)
  Sound pressure level−L_{pA}: < 48.5 dB(A)@front
  bystander position

Power Requirements
Power modules
  100 volts AC (+10%, −10%) 47.5–63 Hz
  120 volts AC (+10%, −10%) 47.5–63 Hz
  220 volts AC (+10%, −10%) 47.5–63 Hz
  240 volts AC (+10%, −10%) 47.5–63 Hz
Power consumption at 120 VAC: 10 W maximum non-
  printing, 18 W maximum printing

Physical Specifications
2228/2227 Height: 11.8 cm (4.6")/12.1 cm (4.8")
2228/2227 Width: 39.5 cm (15.5")/52.7 cm (20.8")
2228/2227 Depth: 21.4 cm (8.4")/22.1 cm (8.7")
2228/2227 Weight: 3.9 kg (8 lb., 9 oz.)/4.7 kg (10 lb., 7 oz.)

Product Certifications
UL, CSA, FEI, NEMKO, TUV, VDE/FTZ, IEC com-
  pliance, FCC Class B Certified per FCC Rules, Part 15,
  Subpart J, when used with a Class B computing
  device.

Estimated Usage
40 pages per day

Ordering Information

HP2225A ThinkJet Printer (HP-IB) HP2225B ThinkJet Printer (HP-IL battery-power) HP2225C ThinkJet Printer (Centronics parallel) HP2225D ThinkJet Printer (RS-232C serial) HP2225P ThinkJet Printer (Centronics/battery-power)	Standard unit includes: Print cartridge, packet of Z-fold JetPaper, owner's manual, and warranty card. The HP2225A, 2225C, and 2225D include a power cord. The HP2225B includes a 1-meter HP-IL cable, battery pack, and a recharger. The HP2225P includes a battery pack and recharger. HP-IB, Centronics-type, and RS-232C-type cable **must be ordered separately**. Non-HP Interface boards and cards must be ordered through the personal computer supplier. The HP2225P requires a 92219Z cable.
HP2227A QuietJet Plus Printer (RS-232 and Centronics/wide carriage) HP2227B QuietJet Plus Printer (HP-IB/wide carriage) HP2228A Quiet Jet Printer (RS-232 and Centronics)	Standard unit includes: Print cartridge, packet of Z-fold JetPaper, power module/cord, owner's manual, and warranty card.

Supplies and Accessories

A wide range of JetSeries supplies support quality printing on ThinkJet and QuietJet printers.

Description	Order No.	Description	Order No.
ThinkJet accessory kit. Includes two black ink print cartridges, one acrylic printer stand, one dust cover, 500 sheets of Z-fold (8½"×11") paper, 500 sheets of 8½"×11" cut-sheet paper.	92261D	**ThinkJet printer stand.** For use with Touchscreen II or the HP2392 Terminal.	92171X
		Smoked acrylic ThinkJet printer stand.	92261S
Black ink print cartridge. *For use with JetPaper* Fits ThinkJet and QuietJet printers.	92261A	**ThinkJet printer wire paper catcher.** Requires printer stand #92261S.	92261R
Red ink print cartridge. *For use with JetPaper* Fits ThinkJet and QuietJet printers.	51605R	**ThinkJet printer dust cover.**	92250V
		ThinkJet printer carrying case.	13269TT
Blue ink print cartridge. *For use with JetPaper* Fits ThinkJet and QuietJet printers.	51605B	**ThinkJet printer battery pack.** For HP2225B and HP2225P.	82199A
Green ink print cartridge. *For use with JetPaper* Fits ThinkJet and QuietJet printers.	51605G	**ThinkJet printer recharger.** For HP2225B and HP2225P.	82059D
		QuietJet Plus printer dust cover.	92250W
Plain-paper black ink print cartridge. *For use with common office papers* Fits ThinkJet and QuietJet printers.	51604A	**QuietJet printer dust cover.**	92250X
		QuietJet Plus printer stand.	92261T
Z-fold JetPaper. 8½"×11" finished size, 500 sheet box. 20 lb, microperforated.	51630A	**QuietJet printer stand.**	92261U
		QuietJet Series printer wire paper catcher. Requires printer stand #92261T or #92261U	92261G
CutSheet JetPaper. 8½"×11" 500 sheet box. 20 lb, single sheets.	51630J		
Z-fold JetPaper. 8½"×11" finished size. 2500 sheet carton. 20 lb, microperforated.	92261N		
JetLabels. 2000 address labels (3.5"×15/16" labels—two across), 9.5" form width. Pressure sensitive.	51630L		

To order HP printer, supplies or accessories:

Call your authorized HP dealer or call your local HP sales office listed in the telephone directory. For information regarding the dealer near you, call toll-free 1-800-752-0900. Printer supplies can be ordered through HP's Direct Marketing Operation (800-538-8787). Or write to Hewlett-Packard: **U.S.A. (East)**—4 Choke Cherry Road, Rockville, **MD 20850; (Midwest)** 5201 Tollview Drive, Rolling Meadows, IL 60008; **(West)** 5161 Lankershim Boulevard, North Hollywood, CA 91601; **(South)** 2000 South Park Place, Atlanta, GA 30339. **Canada**—6877 Goreway Drive, Mississauga, Ontario, Canada L4V 1M8. **Europe**—150 Route du Nant-d'Avril, P.O. Box CH-1217 MEYRIN 2, Geneva, Switzerland. **Japan**—Yokogawa-Hewlett-Packard Ltd., 29-21, Takaido-Higashi 3-chome, Suginami-ku, Tokyo 168. **Australia/New Zealand**—31-41 Joseph Street, Blackburn, Victoria 3130, Australia. **Far East**—47F China Resources Bldg., 26 Harbour Road, Wanchai, Hong-Kong. **Latin America**—Monte Pelvux 111, Lomas de Chapultepec, 11000 Mexico D.F. **Elsewhere in the world**—Hewlett-Packard Intercontinental, 3495 Deer Creek Road, Palo Alto, CA 94304, U.S.A.

Interface and Cable Requirements

HP SYSTEM	THINKJET MODEL	HOST INTERFACE	HP CABLE #
HP41C, CV, CX	2225B	82160A	82167A, B, or D
HP71B	2225B	82401A	82167A, B, or D
HP75C and D	2225B	Built-in	82167A, B, or D
HP85*	2225A	82937A	10833A, B, C or D
	2225B	82938A	82167A, B or D
HP86A	2225C	Built-in	92957A
HP86B and 87	2225A	Built-in	10833A, B, C or D
Series 100	2225A	Built-in	10833A, B, C or D
	2225D	Built-in	13242G
Series 200	2225A	Built-in	10833A, B, C or D

HP SYSTEM	QUIETJET I/O	HOST INTERFACE	HP CABLE #
Vectra PC	Parallel	HP24540A Interface Card	24542D
	Serial	HP24540A Interface Card	24542G
		HP24541A Interface Card	24542G (using 9-pin connector) 13242G (using 25-pin connector)
Vectra CS, ES, RS	Parallel	Built-in	24542D
	Serial	Built-in	24542G
HP150 PC	Serial	Built-in	13242G or 17255M
Portable PC	Serial	Built-in	92221P
HP Terminals (2392A, 2393A, 2394A, 2397A)	Parallel	Opt 093 or HP40210P*	40242D or 13242D
	Serial	Opt 092 or HP40210R*	40242G or 13242G

OTHER SYSTEMS	QUIETJET I/O	HOST INTERFACE	HP CABLE # OR	OTHER CABLE #
Apple II, II+, IIe	Parallel	Apple II Parallel Interface Card or Grappler+	Not Available	Apple #590-0042
	Serial	Apple Super-serial Card	17355M	Apple #590-0037
Apple IIc	Serial	Built-in	92219N	Apple #590-0191-A
Macintosh**	Serial	Built-in	92219M	Standard Macintosh Printer Cable
IBM PC, PC XT	Parallel	IBM Parallel Printer Adaptor	24542D	IBM Printer Cable
	Serial	IBM Asyn. Com. Adaptor	17255D or 13242H	Not available
IBM PCjr.	Parallel	IBM Parallel Printer Attach.	92219K	IBM Parallel Printer Cable
	Serial	Built-in	92219P	Not Available
IBM AT	Parallel	IBM Serial/Parallel Adaptor	24542D	IBM Printer Cable
	Serial	IBM Serial/Parallel Adaptor	24542G	
IBM PS/2	Parallel	Built-in	24542D	
	Serial	Built-in	17255D or 13242H	
IBM Convertible	Serial	IBM Serial/Parallel Adaptor	17255D or 13242H	

*Requires an HP00085-15002 Plotter/Printer ROM and does not require the 10833 cable when no other peripherals are attached.
**Requires software driver (35177M, available from HP Direct Marketing)