

COMPUTER FOCUS

Computer News for HP OEMs and Independent Software Vendors

June 1984

THE COMPREHENSIVE FAMILY OF HP250 SOLUTIONS

DATA CAPTURE
307X, 3081,
39800A



WORKSTATIONS
2622D

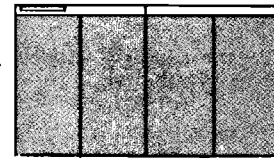
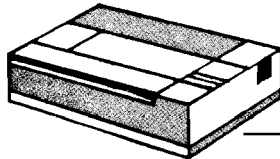


DATA COMM

HP250
NETWORK/250

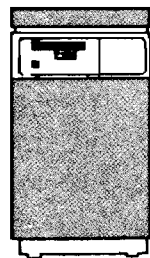


PRINTERS
293X, 2563,
2687, 82905,
2601, 2602



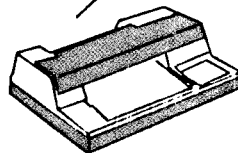
HP3000
IBM(2780/3780)
DS/250, RJE/250

DISCS
15Mb (INBUILT)
7908P, 7911P,
7912P



DATA EXCHANGE
IBM 3741

PLOTTERS
7470A, 7220T
DSG/250, SLIDE/250



O.S. B.06 with Native Language Support

 **HEWLETT
PACKARD**

International Only

COMPUTER FOCUS

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Peripherals

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On the cover:

The HP 250 Small Business Computer System now supports the new system printers, data capture devices, an integrated 15Mb disc, and Network/250 software. See articles beginning on page 12.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



Cross-Licensing Classifieds

Software Packages Available

Industry: *Process Control/Energy Management Systems*

Abstract: INFOSCAN II is a general purpose, database driven process management system using both mini- and micro-computers in a distributed hierarchical network.

Company Name: Computer Sciences Corp.

Address: 6565 Arlington Blvd.
Falls Church, VA 22046
USA

Phone Number: 703-560-5051 ext. 255

Contact Person: James Buening

Type of Distributor Wanted: Process Control, Energy Monitoring and Control, Supervisory Control, Data Acquisition, Security.

Geographic Coverage: US

Industry: *Cross-Industry*

Abstract: Automatic conversion of HP-80 BASIC into HP 200 BASIC 2.0 via HP-IB interface

Company Name: Nippon Mechatron Co., Ltd.

Address: 2-15-1, Nishinakajima,
Yodogawaku
Osaka 532, Japan

Phone Number: 06-305-5301

Contact Person: Mr. M. Hiraga

Geographic Coverage: Worldwide

Industry: *Finance-Merchant Banking*

Abstract: On-line banking system software which has the following capabilities: maintenance of standard accounts, interest calculation, rollovers, collections, loans, advances, deposits, discounted bills, letters of credit, endorsement and foreign exchange.

Company Name: Data Logic Ltd.

Address: Westwayhouse, 320 Ruislip Rd. East
Greenford, England, UB6 9BH

Phone Number: 01-578-9111

Contact Person: Roger Moorcroft

Type of Distributor Wanted: HP 3000 OEM

Geographic Coverage: Worldwide

Industry: *Clinical Medicine, Primary Care for offices and emergency rooms*

Abstract: 17 pacs comprising 60 programs for interviewing, screening and educating patients using HP Series 80. Valuable personal time-saver for physicians. Details in current Series 80 software catalog.

Company: Medical Logic International

Address: Five Pathfinder Drive
Sumter, SC 29150
USA

Phone Number: 803-469-9180

Contact Person: Dr. Galen B. Cook

Type of Distributor Wanted: Any OEM or third party supplier with a market for this type of software.

Geographic Coverage: Worldwide, English language.

Industry: *General*

Abstract: Local Area Net for HP 200 Series to HP 1000 Series: SRM compatible, uses HP-IB, replaces dedicated controller with Multi-Use 1000 CPU which stores files, drives all peripherals.

Company Name: Optimation Inc.

Address: 299 California Ave., Suite 120
Palo Alto, CA 94306
USA

Phone Number: 415-326-1824

Contact Person: Marlen S. Clough

Type of Distributor Wanted: Open

Geographic Coverage: Open

Industry: General

Abstract: VT100 Terminal Emulator for HP 200 Series. Provides HP-DEC Link via RS-232. Includes up and down loading files, full screen editor emulation, horizontal panning, vertical scrolling.

Company Name: Optimization Inc.

Address: 299 California Ave., Suite 120
Palo Alto, CA 94306
USA

Phone Number: 415-326-1824

Contact Person: Marlen S. Clough

Type of Distributor Wanted: Open

Geographic Coverage: Open

Software Packages Wanted

Type of Package Needed: CAE-Software

Industry Application: For HP Series 200 and HP 9845

Needed by: Niefert GmbH

Address: Saalfeldener STR-41
Rödermark, West Germany
6074

Contact Person: Mr. Niefert

Phone Number: 06074/99068 or 99069

Type of Package Needed: Banking Packages

Industry Application: Financial Futures, Cash Management, Securities/Portfolio Management

Needed by: Data Logic Ltd.

Address: Westwayhouse, 320 Ruislip Rd. East
Greenford, England, UB6 9BH

Phone Number: 01-578-9111

Contact Person: Roger Moorcroft

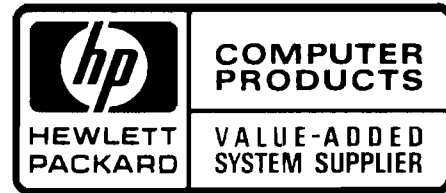
Type of Distributor Wanted: HP 3000 OEM

Geographic Coverage: Worldwide

You can list your company in the **Cross-Licensing Classifieds** (either Software Packages Available or Software Packages Wanted) by sending the information in the format used here to:

Hewlett-Packard Company
Third Party Marketing
Attn: Lynn Gardner
19447 Pruneridge Avenue
Cupertino, CA 95014
USA

Entries will be run for two months. The most recent additions are screened. Be sure to send the information in at least one month before you wish it to appear.

Technical OEM conference results exceed all expectations

The 1984 Technical OEM Conference for HP 9000 and HP 1000 OEM customers was a great success. More than 150 executives representing 83 companies from nine countries attended the March 28-30 meeting in Palo Alto, CA. The major goal was to strengthen HP's working relationship with our OEMs by sharing our future business directions. Strategy presentations and specialized workshops by senior marketing, sales and product managers helped to achieve this goal, reinforcing the conference theme, "Winning Together."

Dynamite agenda

Paul Ely discussed HP's organization, directions, and commitment to the OEM channel of distribution. Franz Nawratil and Fred Wenninger shared HP's strategy for real-time computers and technical workstations. Joel Birnbaum, general manager of HP Computer Labs, discussed HP's directions in computer architecture, outlining the challenges faced by computer vendors today.

The workshops were informative and interactive. Topics included: HP 1000: In Depth, HP 9000: Operating Systems and Languages, Networking Alternatives, Peripherals: Performance and New Product Update, and Successful Marketing Communications."

The HP 1000 session discussed system designer tools, migration plans from our current processors to the next generation, and fault tolerance. Wim Roelandts, R&D manager for the Information Products Group, reviewed HP AdvanceNet, a strategy which incorporates HP's commitment to an Open System Interchange Architecture and industry standards.

J.C. Dennis, Director of Marketing Communications, opened the Marketing Communication session with an HP perspective on the increased importance of Marcom in the computer industry. Dr. Konopacki, a consultant, followed with a lively presentation on the "Dynamics of Trade Show Selling."

The highlight of the conference was a comprehensive product fair showing HP's newest and soon-to-be-newest products. The fair was an excellent forum for interaction between our OEMs and HP management and division experts. Many attendees commented that this opportunity for interaction with HP folks and hands-on experience with new products was the highlight of the entire conference.

New software licensing brochure provides valuable tips

At last, this handy and informative licensing guide is available to all software vendors and OEMs who write or license software on HP systems. A copy of this guide has been distributed to all OEMs and software suppliers who have a current agreement with HP.

The objective of the brochure is to supply you (as a marketer or developer of software) with valuable marketing and legal ideas on how to approach software licensing. The brochure is not intended to replace the expert counsel of marketing and legal specialists, but instead to provide you with some key questions to ask those specialists. This resource will help you get the information you need to succeed in the software licensing arena of your choice. If you would like to receive any additional copies, please contact your local HP third party sales representative.

New source available to third parties for advertising health care software

Software in Health Care offers two publications that focus on financial, administrative, patient information, clinical and laboratory applications.

The annual "1984 *Software In Health Care*" directory lists company names and addresses with specific application type.

The bimonthly magazine features timely articles describing software's increasing utilization in healthcare, profiles of medical application programs and systems, and relevant software and system news.

For further information contact:

Matthew Steiger
Software in Healthcare
323½ Richmond Street
El Segundo, CA 90245
213-322-3434

Technical seminars program

Do you need updating on technical subjects? Interex, the International Association of Hewlett-Packard Computer Users, announces a technical seminar program containing more specific and intensive information than users group conferences. Each of the five seminars planned for 1984 will be held in a different location and will focus on one subject. A featured speaker, plus other guest lecturers, will present related topics in a small group setting.

System Optimization and Performance is the subject of the first one-day seminar on Saturday, June 30, at the Le Baron Hotel in San Jose, CA. The featured speaker is Tony Engberg of HP's Distributed System Laboratory. The cost is \$250 for Interex members and \$300 for non-members (including lunch and materials). Registration is limited. For more information, contact Jeff Miotke at:

Interex
2570 El Camino Real, West
Mountain View, CA 94040
415-941-9960

In July, the technical seminar will be on data base management.

HP 1000/9000 Users Group Conference in San Jose

Interex, the International Association of Hewlett-Packard Computer Users, holds its 1984 conference for HP 1000/9000 users at the Hyatt San Jose, September 9-13.

Four days of activities will be packed with informative papers, five in-depth tutorials, an HP RTE and an HP management round table, and other vendor exhibits.

United Airlines has been designated the official conference airline and is offering attendees guaranteed fares of up to 40% below applicable full coach fares.

If you would like to be part of this valuable exchange of system information, register for the conference by contacting Interex conference manager, Janet Huston, at 2570 El Camino Real, West, Fourth Floor, Mountain View, CA 94040, or call 415-941-9960.

If you are looking for exotic locations of users group conferences, here is the 1984-1985 schedule:

- July 15-18, 1984 HP 3000 users—Exeter, UK
- Sept. 12-13, 1984 HP 3000 users—Utrecht, The Netherlands
- Oct. 1-3, 1984 HP 3000 users—Ottawa, Canada
- Nov. 19-22, 1984 HP 3000 users—Melbourne, Australia
- Mar. 31-Apr. 5, 1985 HP 3000 users—Amsterdam, The Netherlands
- April 9-12, 1985 HP 1000 users—Antwerp, Belgium
- Sept. 8-13, 1985 HP 3000/1000 users—Washington, DC

Contact Interex's conference department at 415-941-9960 for more information.

New Computer Users Catalog saves time

Do you have too much to do in too little time? Why not help yourself by using the Summer 1984 *Computer Users Catalog*.



This is our largest and most complete catalog ever, with 158 new products in this edition. Now, more than 1,500 products are covered. Detailed descriptions, full-color photographs, and equipment compatibility guides provide you with all the information you need to select the right products for the job.

Information is easily accessible. Individual products can be located within seconds by referring to one of three handy indexes, or by flipping to the appropriate catalog section:

- Personal Computers and Software
- Peripherals and Terminals
- Cables and Connectors
- Furniture and Accessories
- Operating Supplies
- Magnetic Media
- Books and Learning Aids



Computer Users Catalog editions:

5953-2450(D)	US edition.
5953-2450	International edition, English language.
5953-2450(UK)	UK edition.
5953-2450(GE)	German language edition.
5953-2450(FR)	French language edition.
9301-0761	Japanese language.

Special new products

Be sure to notice the exciting new "edu-tainment" section — four colorful pages (22-26 in the US, UK and International editions) devoted solely to HP's growing line of PC education and entertainment software. Customers in the US and Canada will be especially interested in HP's new power line conditioners (pages 52-53) for cleaning up dirty incoming power. And, add the new Design Plus Furniture (pages 62-63) to your list of "must-see" products. Designed by HP to match our newest computer products, this furniture offers all the features of our standard line, plus exceptional style.

Fast, easy ordering

Special fast-order direct phone lines for computer supplies are now available in many countries. Direct phone order service is the ideal companion to the new *Computer Users Catalog*, making it easy for you to easily identify and order the supplies and accessories you need.

CSO DIRECT ORDER

CSO Fast Phones — the easy, direct way for customers to order supplies, accessories, media, furniture and software.

Location	Telephone Number
United States	800-538-8787
California	408-738-4133
United Kingdom	0734-792868
	0734-792959
France	(6) 928 32 64
Belgium/Luxembourg	(02) 762 32 00
Switzerland	(057) 31 22 54
	or 31 22 59
West Germany	07031-142829
	07031-223133
The Netherlands	020-470639
South Africa	802-5111
	53-7954
	28-4178
Canada	
Toronto Local	416-671-8383
Ontario	1-800-268-6982
Quebec	1-800-387-3417
British Columbia	112-800-387-3154
Other Provinces	1-800-387-3154
Sweden	08-7502027
	08-7502028



HP 150 OEM development tools

Hewlett-Packard is proud to announce the availability of several products and tools for your technical/documentation support and programming support needs.

Programming support

You now have a choice of three versions of the BASIC language. The HP 150 was introduced with HP Series 100/BASIC — a BASIC interpreter compatible with Microsoft® BASIC. A Cross Reference Utility is also available for the HP Series 100 BASIC programmers. This utility package provides a list of variables and tells where and how they are used. A BASIC compiler is also available. The compiler executes programs faster and uses less memory than interpreted programs. It is also compatible with most of the interpreted syntax.

Also beginning in June, GW BASIC is available. GW BASIC is an interpreter and has enhanced graphics and data-communications functions. Other capabilities include event trapping, full screen editing, sub-directories and user-definable touch softkeys. A word of caution — GW BASIC is not meant to be used with the BASIC compiler and uses specific statements/commands in lieu of escape sequences.

There are several other compilers available. These are **Pascal**, **FORTRAN** and **COBOL** — all of which have been designed for use with MS-DOS. The Pascal compiler accepts and compiles programs written to the ISO standard. FORTRAN is a subset implementation of ANSI standard V-77 FORTRAN.

Forthcoming languages this summer will include a Macro-Assembler.

A summary of the programming products are:

Product Description	P/N
HP Series 100/BASIC	45445A
Compiled BASIC	45446A
GW BASIC	45450A
Cross Reference Utility	92244BA
Pascal	45447A
COBOL	45448A
FORTRAN	45449A
Assembler (HP 150 Programmer's Tool Kit)	Summer '84

Technical/Documentation support

In addition to the languages, several technical documents and products are available that will aid considerably in software development and in designing hardware accessories for the HP 150. These products are:

HP 150 Technical Reference Manual

This manual includes the following sections:

- A hardware description that includes physical description of the boards, block diagrams, timing charts, I/O signals and detailed descriptions of the various elements, i.e. processor, video, keyboard, touchscreen, memory and I/O mapping and datacomm etc.
- A system software description that includes PAM, BIOS and BDOS, op. sys. and hardware interrupts, device drivers, AGIOS and a firmware memory map.
- A detailed description on how to program the HP 150. Descriptions include generating escape sequences, system function calls and AGIOS calls from languages with examples in C language. Other sections include communications to the Keyboard, r/w to the alphanumeric/graphics display by bypassing AGIOS. Also included are sections on how to program to data ports 1 & 2, accessing the HP-IB device with examples (and limitations of the HP-IB device as implemented on the HP 150) and how to communicate with accessory cards.

HP 150 MS-DOS User's Guide

This manual covers not only MS-DOS commands, files, directory structure and utilities but also sections on programming considerations and programming the HP 150 terminal. Included in these sections are descriptions of all the HP 150 escape sequences, keyboard control, graphics control, data operations, status requests as a terminal and touchscreen programming with examples.

HP 150 Programmer's Tool Kit

This kit will be for the advanced programmer who is writing assembler level software. Included in this kit will be a programmer's reference manual for the HP 150, the Macro-Assembler and utilities. The kit will be available this summer; look for further details in the upcoming July issue of *Computer Focus*.

A summary of the technical documents are:

Product Description	P/N
HP 150 Technical Reference Manual	45625A
HP 150 MS-DOS User's Guide	45624A
HP 150 Programmer's Tool Kit	Summer 1984

Feedback

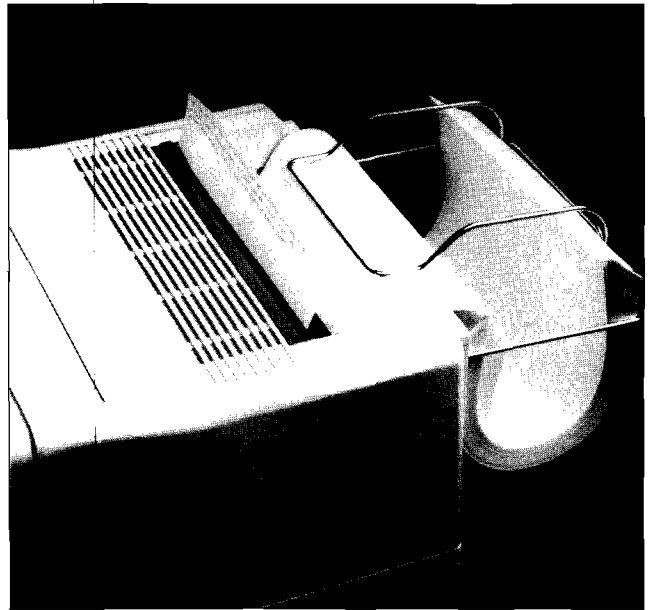
We welcome feedback on these and other development tools you may require for the HP 150 or on additional needs that you may have in promotional support, training, etc., that we may meet with our OEM program. You may contact your HP sales rep or write directly to:

Pervez Qureshi
Product Manager
Hewlett-Packard Company
Personal Office Computer Division
974 East Arques Avenue
P.O. Box 3486
Sunnyvale, CA 94088-3486
USA

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HP 150 paper tray now available

A new paper tray for the HP 150 now enables customers to enjoy the convenience of flat 8½" x 11" sheets of thermal paper. The HP 92173A Paper Tray attaches directly to the HP 150, just behind the 2674A Internal Printer, and holds a full pack of thermal fanfold paper.



Either blue print fanfold paper (P/N 92160M) or black print fanfold paper (P/N 92160N) can be used with the 92173A Paper Tray. The Paper Tray, fanfold paper and full line of accessories for the HP 150 are available through Computer/Supplies Operation (CSO). For direct order phone numbers, see page 7 in this publication.



HP 1000 Series

Simplifying the HP 1000 product line

During the next 12 months, HP will simplify Product Line 65, with the objective of making ordering easier and less prone to errors.

To simplify the ordering of the HP 1000, HP will remove many of the low volume or confusing products and options from the HP Price List. Most of these products have been superseded by substantial technology improvements.

The products listed below will be discontinued on the date specified. Because there will be continued interest in some low volume products, items marked with an asterisk will be available through HP's Data Systems Division Customer Engineering department as "standard specials" following the removal date. Please make note of all of the products scheduled for removal.

MEMORY PRODUCTS		
Product	Description	Removal
12666HD	1.0Mb Check Bit Array	September 1984
12699HD	20 Pack 12699H Memory	September 1984
12728K	F-Series Inst Set	September 1984
12786D	E-Series Memory Pkg	September 1984
12788B	256Kb Memory (16K)	September 1984
12788C	512Kb Memory (16K)	September 1984
12788D	1024Kb Memory (16K)	September 1984
12789A	128Kb FC Memory (16K)	September 1984
12789B	256Kb FC Memory (16K)	September 1984
12789C	512Kb FC Memory (16K)	September 1984
12789D	1024Kb FC Memory (16K)	September 1984
12789F	1024Kb FC Memory (64K)	September 1984
12789G	1536Kb FC Memory (64K)	September 1984
12789H	2048Kb FC Memory (64K)	September 1984
2102C	Memory Controller	March 1985*

*To become standard special.

SYSTEM PRODUCTS		
Product	Description	Removal
2196A	Model 16 System	June 1984
2196B	Model 16 System	June 1984
2197A	Model 17 System	June 1984
2197B	Model 17 System	June 1984
2199A	Model 19 System	June 1984
2199B	Model 19 System	June 1984
2106AK	A600 Board Computer	September 1984
2107AK	A700 Board Computer	September 1984*
2136A	Model 6 Component Box	September 1984
2136B	Model 6 Component Box	September 1984
2186A	Model 6 Microsystem	September 1984
2186B	Model 6 Microsystem	September 1984
2109K	E-Series Bd-No Memory	March 1985*
2111F	F-Series Box	March 1985*
2136C	Model 6+ Component Box	April 1985
2136D	Model 6+ Component Box	April 1985
2186C	Model 6+ Microsystem	April 1985
2186D	Model 6+ Microsystem	April 1985
L-SERIES HARDWARE AND SOFTWARE PRODUCTS		
Product	Description	Removal
12002A	Mem Ctr + 128Kb Memory	March 1985
12002B	Mem Ctr + 512Kb Memory	March 1985
12003A	128Kb Memory Array	March 1985
12014A	F/W Upgrade Kit	March 1985
12028A	Memory Connector	March 1985
12028B	Memory Connector	March 1985
12028C	Memory Connector	March 1985
12030A	10-Slot Card Cage	March 1985
12030D	Ten Pack of 10-Slot Cage	March 1985
12031A	16-Slot Card Cage	March 1985
12032A	5-Slot Card Cage	March 1985
12032D	Ten Pack of 5-Slot Cage	March 1985
12035A	Power Module	March 1985*
2103KD	Ten Pack L-Ser Bd CPU	March 1985
2103L	L-Series Board CPU	March 1985
2103LK	L-Series Board CPU	March 1985*
2122A	Model 5 Box	March 1985
2122B	Model 5 Box	March 1985
2142A	Model 5 System	March 1985
2142B	Model 5 System	March 1985
2162A	2250 Controller	March 1985
24397A	Diagnostics	March 1985
24398A	Diagnostics	March 1985
92070B	RTE-L Oper System	September 1984
92070E	Exec Only RTE-L	September 1984
92070K	RTE-L Manuals	September 1984
92070R	R-to-C RTE-L	September 1984
92071A	RTE-XL Oper System	March 1985
92071E	Exec Only RTE-XL	March 1985
92071K	RTE-XL Manuals	March 1985
92071R	R-to-C RTE-XL	March 1985
92072A	OEM Starter Kit	March 1985
92076A	BASIC-L	March 1985
92853A	L-Series H/W History	March 1985
92853Q	Subscription Service	March 1985
92854A	Pascal-XL Compiler	March 1985
92854R	R-to-C Pascal-XL	March 1985

*To become standard special.

SOFTWARE AND SYSTEM OPTIONS

Product-Opt.	Description	Removal
2176E-032	7920M Disc Pack Media	June 1984
2177F-032	7920M Disc Pack Media	June 1984
2178A-032	7920M Disc Pack Media	June 1984
2178C-032	7920M Disc Pack Media	June 1984
2179A-032	7920M Disc Pack Media	June 1984
2179C-032	7920M Disc Pack Media	June 1984
2113E-012	64Kb Mem on E-Series	September 1984
2117F-013	64Kb Mem on F-Series	September 1984
2197C-701	Microprogram Pkg on A700	September 1984
2197D-701	Microprogram Pkg on A700	September 1984
2199C-111	PERF/900 Value Pack	September 1984
-112	PERF/900 Value Pack	September 1984
-113	PERF/900 Value Pack	September 1984
-114	PERF/900 Value Pack	September 1984
2199D-111	PERF/900 Value Pack	September 1984
-112	PERF/900 Value Pack	September 1984
-113	PERF/900 Value Pack	September 1984
-114	PERF/900 Value Pack	September 1984
22958C-010	FTN 4 & 4X Self Study	September 1984
12829A-003	VIS Software Equivalent	September 1984
24612A-001	Discount on A-Ser Diag	September 1984
-002	Discount on A-Ser Diag	September 1984
92045A-001	Discount A700 Microprg	September 1984
92045R-001	Discount R-to-C	September 1984
92049A-001	Discount A900 Microprg	September 1984
92049R-001	Discount R-to-C	September 1984
92061A-001	Discount MEF Microprg	September 1984
92083A-001	Discount Profile Monitor	September 1984
-002	Discount Profile Monitor	September 1984
-041	8" Media	September 1984
-042	5 1/4" Media	September 1984
92083R-001	Discount R-to-C	September 1984
92832A-001	Discount Pascal-IVB	September 1984
92832R-001	Discount R-to-C	September 1984
92833A-601	Discount Pascal on A600	September 1984
-701	Discount Pascal on A700	September 1984
92833R-601	Discount R-to-C on A600	September 1984
-701	Discount R-to-C on A700	September 1984
92836A-601	Discount FTN 77 on A600	September 1984
-603	Discount FTN 77 on A600	September 1984
-701	Discount FTN 77 on A700	September 1984
92836R-601	Discount R-to-C on A600	September 1984
-701	Discount R-to-C on A700	September 1984
92857A-601	Discount BASIC-C on A600	September 1984
-701	Discount BASIC-C on A700	September 1984
92857R-601	Discount R-to-C on A600	September 1984
-701	Discount R-to-C on A700	September 1984
92860A-601	Discount Sym Debug, A600	September 1984
-701	Discount Sym Debug, A700	September 1984
92860R-601	Discount R-to-C on A600	September 1984
-701	Discount R-to-C on A700	September 1984

MISCELLANEOUS PRODUCTS

Product-Opt.	Description	Removal
12796D	Memory Ext PS Upgrade	June 1984
12922A	MUX Upgrade	June 1984
24396A	Diagnostic Library	June 1984
24396B	Diagnostic Library	June 1984
2895B	Paper Tape Punch	September 1984
91731A	12920B MUX S/W	September 1984
92066A	M&C Software	September 1984
92085A	Bulk Upgrade License	September 1984
92087A	Bulk Upgrade License	September 1984
92088A	Bulk Upgrade Kit	September 1984
92400A	DAS Utilities	September 1984
92840A	Graphics/1000 S/W	September 1984
12675A-001	Shelf with Round Corner	September 1984
12796A	8 1/2" A to B PS Upgrade	March 1985*
12796B	12" A to B PS Upgrade	March 1985*
12796C	I/O Ext Upgrade	March 1985*
12920B	16-Ch Async MUX	March 1985

SOFTWARE SOURCE PRODUCTS

Product-Opt.	Description	Removal
92062X	RTE-4 Driver Sources	June 1984
92067X	RTE-4 Operating System	June 1984
92067Y	R-to-C RTE-4 Sources	June 1984
92068X	RTE-IVB Operating System	June 1984
92068Y	R-to-C RTE-IVB Sources	June 1984
92070X	RTE-L Operating System	June 1984
92070Y	R-to-C RTE-L Sources	June 1984
92071X	RTE-XL Operating System	June 1984
92071Y	R-to-C RTE-XL Sources	June 1984
92077X	RTE-A Operating System	September 1984*
92077Y	R-to-C RTE-A Sources	September 1984*
92078X	VC+ Enhancement Pkg	September 1984*
92078Y	R-to-C VC+ Sources	September 1984*
92084X	RTE-6/VM Operating Sys	September 1984*
92084Y	R-to-C RTE-6 Sources	September 1984*

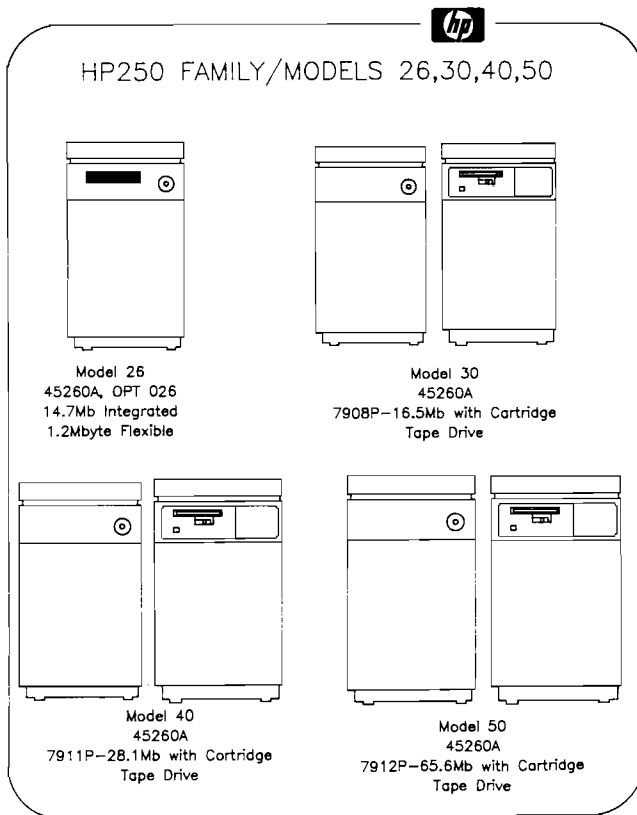
*To become standard special.



HP 250 Series

The HP 250 family

The HP 250 family consists of four models with mass storage solutions ranging from 14.7Mb to 65.6Mb. Very small businesses with one to three users will appreciate the low-cost and compact design of the HP 250 Model 26 with a 14.7Mb integrated Winchester disc and 1.2Mb flexible disc drive.



Very small businesses who need cartridge tape backup will want the HP 250 Model 30 which includes the HP 7908P. The HP 250 Models 40 and 50 are well suited for small companies with typically three to eight users. The HP 250 system can start with the Model 26 and one workstation and can grow to include ten workstations and four external disc drives.

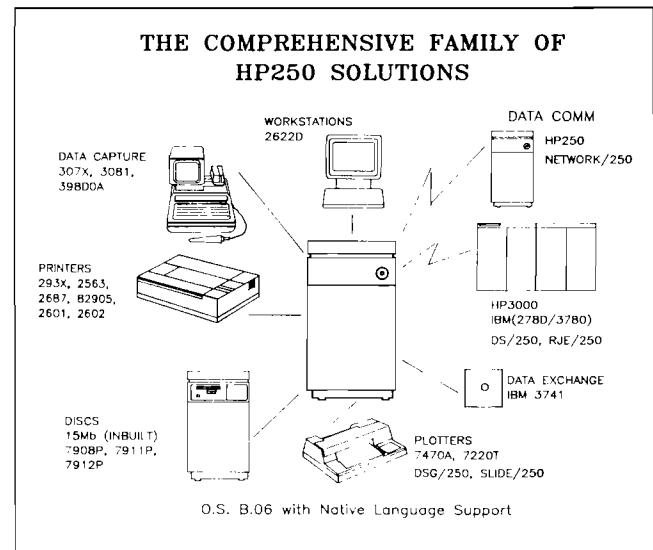
Each HP 250 processor (P/N 45260A) includes the popular IMAGE/250 data base management system; QUERY/250, the IMAGE data base on-line inquiry system; a powerful BASIC/250 programming language; REPORT WRITER/250, a development system for report writing; FORMS/250, an on-line forms development system; MEDIA/250, which pro-

vides diskette read/write capability for IBM 3741 format; LINK 3000 asynchronous data communications to an HP 3000 system; and numerous system utilities to make the HP 250 exceptionally easy to use and maintain.

The HP 250 is Hewlett-Packard's lowest cost, multi-user business computer system. Over 7,000 HP 250 systems worldwide provide small companies and branches of corporations with powerful and first-time-user friendly solutions.

New HP 250 solutions

With the release of the new HP 250 operating system, B.06, additional HP 250 solutions are possible. The HP 250 now supports several new types of devices such as the HP 3081A and 307X data capture terminals, the HP 39800A programmable bar code reader, and a wide range of new printers.



HP 250 manufacturing and inventory control solutions can be enhanced by utilizing these data capture devices and the HP 2933A factory printer. The HP 2933A can print bar codes, large characters and OCR type/fonts.



Office solutions can now feature the HP 2934A correspondence quality dot-matrix printer. The HP 2934A can print a fast 200 cps or slow down to 40 or 67 cps for a matrix letter quality font.

A new offering for the small business marketplace is the HP 250 combined with a laser printer. The HP 2687A desktop laser printer provides near offset print quality with 300 dots per inch resolution. Single sheets of standard US letter size or European A4 size are fed automatically from an input tray. The HP 250 and HP 2687A combination can be very attractive to organizations needing high volume/high quality printing and a business computer solution. Examples include non-profit organizations, churches, small schools and legal firms.

High volume printing on the HP 250 has been enhanced by the HP 2563A 300 lines per minute dot-matrix printer. The HP 2563A can also offer matrix letter quality printing at 150 lpm. Compressed print, double high/double wide print, bar code print, raster graphics, and six-part forms are available.

The new additions to the comprehensive family of HP 250 solutions are detailed in the April 1984 editions of the HP 250 Configuration Guide and Product Training Guide. Contact your HP sales rep for more information.

An HP 250 Package Special

To help you be successful in the small business system marketplace, we are offering an "HP 250 Package Special" from April 1 to July 31, 1984. This package includes the HP 250 processor with 512K bytes of memory, an HP 7912P (65Mb) disc drive with cartridge tape backup and from two to five HP 2622D workstations.

Here is how you can win with the "HP 250 Package Special":

Now is the time to help your price sensitive prospects buy the friendly and easy-to-use HP 250 system. (Effective April 1, HP has increased the negative factory surcharge on the HP 2622D for all European shipments.)

Terms and conditions of ordering:

- Offer effective from April 1, 1984 through July 31, 1984.
- Each product in the package must appear on the order in the quantities stated with the M05 promotional discount applied to the line items where indicated.
- Options may be added at full list price to the products in the "HP 250 Package Special." Adding options to a product does not change the M05 discount applied to that product.
- The words "HP 250 Package Special" must be referenced in the Special Instructions section of the order.
- The HP 250 Package Special must be ordered for coordinated shipment.
- Additional products may be ordered at full list price. Any products not part of the discounted package must appear in a different section of the order.
- Normal discount schedules apply to the discounted price (after the M05 discounts are taken).
- Special pricing included in this package cannot be combined with any other special discounts previously offered.
- You must be willing to take delivery of the new system within 90 days of ordering.



Qty.	Product	Description	Factory Base Price (FBP)	European M05 discount	Canada and International M05 discount
1	45260A	HP 250 SPU	\$ 7,750	\$ —	\$ —
1	Opt. 008	extra 256Kb Memory	2,000	1,000	1,000
1	HP 7912P	65Mb Disc with Cartridge Tape Backup	17,000	4,000	4,000
2-5	HP 2622D	HP 250 Workstations	2,250	120 each	290

HP's TEK 4010 terminal emulator available

The long-awaited TEK 4010 Terminal Emulator, the only graphics terminal emulator for the HP 9000 Series 200, is now available. Bundled into one package with the HP 2622A emulator, the TEK 4010 emulator is suitable for use with popular software packages that contain a TEK driver, such as PLOT10™, DISSPLA[®], and SAS/GRAPH™. Users in the scientific and engineering community can now combine the power of the HP 9000 Series 200 workstations with graphics terminal access to their central computing facilities.

The TEK 4010 and HP 2622A Terminal Emulator provides the convenience of switching automatically from TEK's graphics capabilities to the HP 2622A sophisticated alphanumeric capabilities, via a 'trigger mode' feature. You can set a variety of options under menu control. The HP 2622A Terminal Emulator still exists as a separate product.

To run the TEK 4010 emulator, you should have an HP 9000 Model 216, 220, or 236 computer with 512K bytes of RAM and a US ASCII keyboard. The Model 226 is not supported because of its screen size. The 98626A, 98628A, and Model 216 built-in serial interfaces are supported. The choice of interface does not affect the functionality of the emulator; however, throughput may be slightly higher with the 98626A or Model 216 built-in interfaces than with the 98628A. Hardware data rates can be set as high as 19.2K bits per second. However, to use a plotter on-line or to run the 4010 emulator at speeds greater than 1200 bits per second, the host computer must support X-on/X-off handshake. The emulator will work with plotters, printers, and mass storage devices supported by the Pascal 2.1 Language System.

The part number for the TEK 4010 and HP 2622A Terminal Emulator is P/N 98792A. Right to reproduce products are also available. For more information, contact your HP sales rep.

PLOT10™ is a trademark of Tektronix Corporation.

DISSPLA[®] is a registered trademark of ISSCO.

SAS/GRAPH™ is a trademark of SAS Institute.

HP's VT100 terminal emulator for HP 9000 Series 200

The VT100 and HP 2622A Terminal Emulator is two emulators bundled into one package, so that VT100

users can take advantage of the features of the HP 2622A emulator, such as bidirectional ASCII file transfer. The HP 2622A will continue to be offered as a separate product.

The VT100 terminal emulator fully simulates the VT100 terminal except where limited by hardware. The emulator has local mode, split screen, video enhancements, VT52 submode, multi-page screen memory, and printer support. You can set a multitude of options under menu control.

To run the VT100 and HP 2622A Terminal Emulator, you must have an HP 9000 Model 216, 220, or 236 computer with 512K bytes of RAM and a keyboard with a numeric pad. The Model 226 is not supported because of its screen size. Workstation hardware must support alpha enhancements (underlining, blinking, inverse video, half-bright) in order for the emulator to simulate VT100 Advanced Video capabilities. The 98626A, 98628A, and Model 216 built-in serial interfaces are supported. The choice of interface does not affect the functionality of the emulator. However, lab tests show that maximum throughput is about 2900 bits per second with the 98628A and about 3300 bits per second with the 98626A and Model 216 built-in interfaces. The emulator will work with printers and mass storage devices supported by the Pascal 2.1 Language System, including SRM.

The part number is P/N 98791A. Right to reproduce products are also available. For more information contact your HP sales rep.

HP 9920 mounting racks explained

There has been some confusion as to which rack is compatible with the HP 9920 (Model 220) box computer. The proper rack is an EIA standard 19" rack, and is ordered as Option 908 when ordering the HP 9920A. It can also be ordered separately through HP as P/N 5061-0078. The rack is included in the HP 9920S bundled system.

The rack slide kit (P/N 1494-0018) will not work with the HP 9920s, since it requires rear mounting screws, and only the front panel is System II compatible. There is no rack slide kit available for the HP 9920S.



Updated application note on drafting plotter accuracy

Definitions of plotter accuracy are numerous and, unfortunately, there is no standard way to measure plotter accuracy. *Drafting Plotter Accuracy — What It Means and How to Achieve It*, an updated Application Note from HP, will clear up some of the confusion about this subject.

The first section describes how HP defines and measures the accuracy of our drafting plotters. Section 2 explains how to interpret specifications; Section 3 offers operating guidelines for achieving accurate results; and Section 4 explains when plotters should be recalibrated for mechanical accuracy. There is also a discussion of the new HP 7586B's long-axis plotting limitations.

You'll be surprised at the factors that contribute to accuracy. In fact, HP thinks accuracy is so important that our new HP 7586B has a built-in accuracy calibration routine that allows you to calibrate your own plotter. The procedure is easy, saves service calls, and gives confidence that drawings will always be made with optimum accuracy.

This application note (P/N 5953-9752) is shipped with every drafting plotter. For a copy, contact your HP sales rep.

Glossy presentation paper for small HP plotters

HP now offers glossy presentation paper for those who need a high quality presentation media. The new paper can be used with the HP 9872 plotter family and the HP 7470A, 7475A, and 7550A graphics plotters.

Used with overhead transparency pens, glossy paper provides professional looking output in deep, vivid colors. These exceptional plots will enhance your reports and presentations. They are also useful for final storage copies.

Only transparency pens are recommended for use with glossy paper. The best output can be obtained by setting the pen speed to 10cm/second (HP-GL command "VS 10"), the same speed recommended for overhead transparency film.

Some software packages have a built-in pen speed adjustment; refer to your software supplier for specific information about pen speed choices.

P/N	Description
9280-0640	A-size (8½ x 11 in.)
9280-0641	B-size (11 x 17 in.)
9280-0642	A4-size (210 x 297 mm)
9280-0643	A3-size (297 x 420 mm)

Glossy paper is now on the HP Price List. Contact your HP sales rep for ordering information.



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