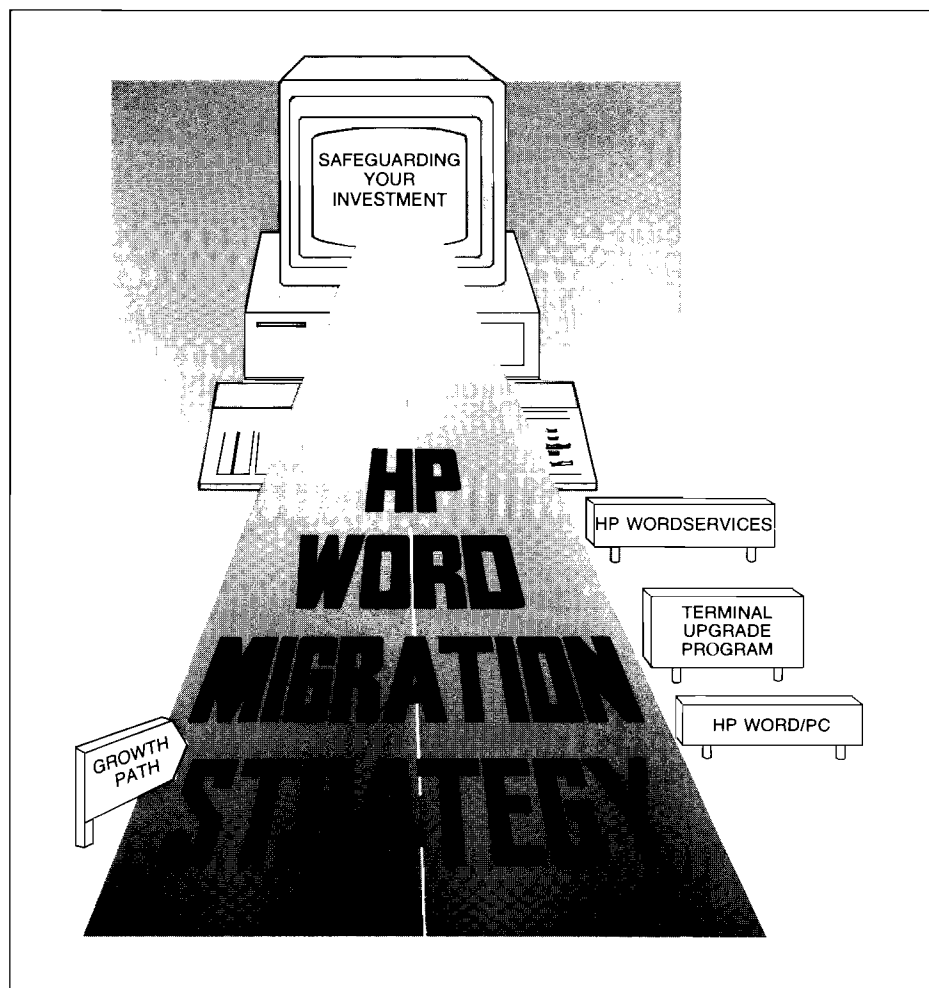# HEWLETT-PACKARD

HP Word/PC
HP WordServices

Providing HP Word/3000 users a growth path to solutions based on the PC and Series 900 machines

Data Sheet

The HP Word Migration Strategy is the way ahead for today's HP Word/3000 users. It provides a stepping stone from terminal-based systems of the past to the PC based systems of today. By adopting this smooth and easy growth path, HP Word/3000 users can migrate to the next generation of office solutions with minimum effort.

The first part of this strategy has already been delivered with HP Word/PC. Now we've completed HP Word Migration to provide a total solution for HP Word/3000 users moving to the PC and Series 900 machines. The flexibility of the PC and the power of the host have been combined to provide HP Word/3000 functionality on the PC.

We've made sure that migration to the next generation of office solutions means lasting investment. The HP Word Migration Strategy is based on migrating HP Word/3000 functionality to the PC while protecting investment in user applications. And because HP Word/PC is keystroke compatible with HP Word/3000 you don't need to retrain your users.

The HP Word Migration Strategy Explained

The HP Word Migration Strategy is a three part solution consisting of:

- HP Word/PC for the HP Vectra Family, the HP 150 and IBM's PS/2 range of PCs

- The HP Word Terminal Trade-in Program, making the move to PCs more attractive

- HP WordServices, a new host based formatter for the HP 3000

HP Word/PC

HP Word/PC has been enhanced to provide HP Word/3000 functionality on the HP Vectra PC family, the HP 150 and the IBM PS/2 PC range. New features include Spell Check, Automatic Hyphenation, "Where am I" key, Keystroke Recording and the ability to set Page Numbers.

HP Word/PC is highly keystroke compatible with HP Word/3000 providing a consistent user interface and sharing the same screen labeled function keys. This means that HP Word/3000 users moving to PCs can enjoy the same familiar user interface.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

User retraining is also minimized making the move to PCs even smoother. Users will soon be working as productively as ever with HP Word/PC.

Documents are fully interchangeable between HP Word/PC and HP Word/3000, without the loss of formatting characteristics. AdvanceLink command files are supplied with HP Word/PC to facilitate the easy automatic transfer of documents between the PC and HP 3000. A batch conversion utility is also provided to guarantee the easy transfer of your HP Word/3000 files to HP Word/PC.

Terminal Trade-in Program

To make the move to a PC solution even more attractive Hewlett-Packard is offering an HP Word Terminal/HP 150 PC Trade-in Program. This enables you to trade-in your old HP 2626W, HP 2628A and HP 150 terminals and receive up to a $900 credit on the purchase of an HP Vectra PC and HP Word/PC.

This program, implemented only in the US, is available for a limited time so take advantage of it while it lasts. Please see data sheet PN 5954-0378 for more details.

HP WordServices

HP WordServices, a new host based formatter, works in conjunction with AdvancePrint to provide HP Word/PC users access to the power of the host for file integration and shared printing capabilities. It is invoked from within HP Word/PC and provides the user with added word processing functionality. HP WordServices integrates with HP Word/PC's user interface and screen labeled function keys making it invisible to the user. This means no training is necessary.

With HP WordServices HP Word/PC users have the flexibility of integration with their existing HP 3000 files. Simply referencing the file name from within your HP Word/PC document will prompt HP WordServices to take care of integration for you. For example, if you want to carry out a mailmerge with HP ListKeeper nothing could be easier. Just name the mailmerge user variables from within HP Word/PC referencing the HP ListKeeper file. Once the document is sent to print the mailmerge will take place.

HP WordServices also means your investment in printers is protected. Using HP WordServices, HP Word/PC users have the capability to print to large system printers. Up to four different printers can be configured within HP Word/PC giving you the flexibility of quality and draft printing. You can also continue printing using your existing customized environment files.

Printing with HP WordServices means that all formatting takes place on the host, in background mode, freeing your PC and enabling you to continue with other important tasks.

As you can see, HP WordServices makes the migration to PCs even smoother.

Integration with the Personal Productivity Center

The HP Word Migration Strategy is part of Hewlett-Packard's Personal Productivity Center, adding greater versatility into the office by providing HP Word/PC users with the benefits of document distribution, document interchange and data interchange.

Document Distribution

Using AdvanceMail you can distribute your HP Word/PC documents to anyone on the HP 3000 Personal Productivity Center network. AdvanceMail makes HP DeskManager's full range of communication capabilities available at the HP Word/PC users' fingertips.

Document Interchange

HP Word/PC documents can be edited by users of AdvanceWrite Plus and HP Word/3000. The two-way document conversion utilities in HP DeskManager allow you to convert documents to and from AdvanceWrite Plus and HP Word.

Data Interchange

The HP Word Migration Strategy offers the flexibility of data interchange both at the PC and HP 3000 level.

With HP Word/PC you can enhance the impact of your documents by incorporating diagrams and charts created with HP Graphics Gallery. You can also incorporate the DIF output of data base files from products like Hewlett-Packard's Executive Card Manager and Information Access.

HP WordServices enables HP Word/PC users to integrate with HP 3000 applications such as HP ListKeeper for mailmerge data files and HP Draw for figure paragraphs. And all from the PC.

HP ThinLAN and StarLAN Support

HP Word/PC is also supported over HP ThinLAN and StarLAN for PCs as a networkable application. This means documents may be transferred between PCs allowing users to modify documents created by a colleague. Users will also have the ability to share files on a PC Server. Using Resource Sharing, files may be stored on the HP 3000.

Features

HP Word/PC

Text Entry
- Guided by menu selection and screen-labeled function keys.
- Cursor positioning by character, word, line phrase, sentence or paragraph using the syntactic cursor keys.
- Automatic word wraparound.
- User-defined formats with template documents.
- Include and merge from other HP Word/PC files, either by page, or by marking the text to be included.
- Non-printing paragraphs for easy inclusion of comments, notes and forms field identifiers.
- Variables such as DATE and TIME, for which HP Word/PC automatically substitutes the appropriate date when the document is printed.
- Paragraph positioning to allow the accurate placement of text on pre-printed stationery, such as forms.
- "Where am I" key to identify the line of the page that the cursor is on.
- Smooth vertical scrolling across page boundaries.
- True horizontal scrolling which permits you to create and view documents up to 155 characters wide.
- User variables permitting substitution of up to 255 fields of variable information in a document.
- Keystroke recording and replay facility.
- Figure spaces for including graphics files generated with HP Graphics Gallery. Options to control the size and positioning of a figure and whether or not it overlays text.

Text Editing
- Text insertion with automatic text adjustment.
- Text editing while in insert mode.
- Text deletion by character, word, line, phrase, sentence and paragraph, with automatic text adjustment.
- Backspace key delete.
- Page turning to the next or previous page with labeled keyboard keys.
- Fast access to the top or bottom of the current page.
- Fast access to the first or last page in a document.
- Fast access to any page using the "Go to Page" key.
- Stop codes to allow fast access to specified points in a document.
- Manual or global Search and Replace on characters, words and phrases. This function operates both forwards and backwards.
- Copy, move and delete text.
- Spell Check. Spelling Correction programs developed and copyrighted by Houghton Mifflin Company, publishers of the American Heritage Dictionary.
- Discretionary hyphenation.
- Automatic hyphenation. Hyphenating Software developed by Houghton Mifflin Company.

Text Formatting
- Automatic page numbering.
- User specified page breaks.
- Automatic pagination with optional override where text lines can be bound on the same page.
- Automatic left, right, center and decimal tabs.
- Automatic first line paragraph indent.

- Text layout (such as margins, tabs, justification and line spacing) specified at document or paragraph level.
- Automatic reformatting of text after layout changes.
- Left, right and block justified text.
- Automatic centering.
- Line spacing of 0.5 to 3.5 in 0.5 increments.
- User specified document page width and height.
- User specified document heading and footing area, each with a maximum size of 25 lines.
- Headers and footers within a document.
- Page numbers may be set to any given value.

Text Enhancements
- Ability to bold, italic, underline and double underline text.
- Superscript and subscript characters.

Printing Options
- 10-pitch, 12-pitch and proportional spacing.
- Letterhead, plain bond and envelope printing, depending on the printer used.
- Choice of number of copies and range of pages to be printed.
- Choice of draft or final print, with forms alignment and non-printing text options.
- Immediate print option to bypass the print menu screen.
- HP 3000 printing on selected printers via AdvancePrint.
- HP 3000 formatting and printing available on selected printers via AdvancePrint and HP WordServices.

Document Filing
- Document catalog display containing document name, operator, author, subject, creation date and revision date.
- Document catalog display in short form (file names only).
- Document catalog supports pathnames.
- Document catalog supports wild card searches.
- Documents copied, renamed and deleted from within HP Word/PC.

HP WordServices

File Integration
- HP Word/PC text and HP 3000 figure files.
- HP Word/PC text and HP Gallery files. A maximum of 250 PC resident Gallery files can be referenced.
- Mailmerge with up to eight HP 3000 and PC file types.
- System and user variable substitution as defined by HP Word/PC.

Formatting
- Formatted HP Word/PC output to a printer connected to the host.
- Pagination and paragraph adjustment as defined by HP Word/PC.
- Document Hyphenation.
- Large documents (600 pages maximum).

Printing Options
- 10-pitch, 12-pitch and proportional spacing.
- 51 default environment files.
- Customized environment files.
- Choice of number of copies and range of printers to be printed to.
- Print queue display via AdvancePrint.
- Multiple copies (127 maximum).

Product Information

HP Word/PC

Hardware requirements

HP 150 Configuration
- HP 150 A/B/C/D
- Minimum 512Kb RAM
- Either a hard disk drive with additional flexible disk drive, or dual double sided 3.5" disc drive.

HP Vectra Configuration
- HP Vectra Personal Computer range family
- HP Vectra Monitor (Multimode Monochrome/Color, EGA or VGA)
- 640Kb RAM

Note:
- *HP Word/PC supports two keyboard layouts - one for the original HP Vectra keyboard and one for the IBM and HP's IBM compatible keyboards. If you want the original keyboard layout you should order the ES or ES/12 CPU, the C1406A keyboard and the D1350A PC kit.*

- *HP Word/PC is not supported on the HP Vectra CS Portable.*

The disc drive configurations supported (using Hewlett-Packard supplied integral disc drives) are:

- Fixed disc + 1.2Mb 5.25" flexible
- Fixed disc + 360Kb 5.25" flexible
- Fixed disc + 1.4Mb 3.5" flexible
- 1.2Mb 5.25" flexible + 360Kb 5.25" flexible
- Dual 360Kb 5.25" floppy

IBM Configuration
HP Word/PC is also supported on the IBM PS/2 Model Range and IBM AT/2 configuration. Only the standard IBM AT/2 keyboard is supported.

Note:
- *Dual floppy configurations result in reduced HP Word/PC functionality. Hard disks are therefore recommended for all configurations.*

Features not supported on dual floppy configurations include Spell Check, Hyphenation and running with HP Office Share and AdvancePrint. Flexible disc drives are only suitable for casual users.

- *HP Word/PC requires 440Kb of memory to provide full feature set use.*

Delivery Media
HP Word/PC is delivered on 360Kb 5.25" floppy discs, 270Kb 3.5" floppy discs or 720Kb 3.5" floppy discs.

Software Requirements
- MS-DOS® 3.1, 3.2, 3.3
- IBM's PC-DOS 2.1, 3.0, 3.1, 3.2, 3.3
- HP Word/PC will run under the Hewlett-Packard Personal Applications Manager (P.A.M.)

Printers

Daisy Wheel:
- HP 2601A (Option 826 for Vectra PCs)

  With these print wheels:
Pica 10	HP 92252A
Courier 10	HP 92252X
Elite 12	HP 92252H
Bold PS	HP 92153E
Tractor Feeder	HP 26010A
Single Bin Sheet Feeder	HP 92177Q
Dual Bin Sheet Feeder	HP 26010Q

- HP 2602A (HP Touchscreens only)

  With these print wheels
Courier 10	HP 92262A
Prestige Pica 10	HP 92262B
Courier 12	HP 92262D
Prestige Elite 12	HP 92262E
Letter Gothic 12	HP 92262F
Bold Face PS	HP 92262G
Single Bin Sheet Feeder	HP 92177Q
Dual Bin Sheet Feeder	HP 26020A

- HP 2603A
  With these print wheels
Courier 10	HP 92270A
Eletto 12	HP 92270F
Modern PS	HP 92270J
Tractor Feeder	HP 26030A
Dual Bin Sheet Feeder	HP 26030D

LaserJet:
HP 2686A LaserJet printer
HP 2686A (Option 300) LaserJet Plus printer
HP 2686A LaserJet 500 Plus printer
HP 33440A LaserJet Series II *(supported as a LaserJet Plus)*
HP 2684A LaserJet 2000
  All with these font cartridges:
Courier 10	HP 92286Q
Letter Gothic 12	HP 92286N
Prestige Elite 12	HP 92286M
Times Roman	HP 92288F
Proportional	HP 92286P

Note:
The downloadable fonts and forms capabilities of the LaserJet family of printers are not supported by HP Word/PC. The above font cartridges are required for the LaserJet printers in order to obtain the full range of HP Word/PC printing capabilities.

DeskJet:
HP 2276A HP DeskJet
  With these font cartridges:
Courier 10	22706A
Letter Gothic 12	22706C
Elite 12	22706B
Times Roman Proportional	22706D
Times Roman Proportional 14 point	22706D/F
Helvetica Proportional	22706G/J

RuggedWriter:
HP 2235 HP RuggedWriter
  Courier 10
  Courier 12
  Courier Proportional
  Draft 10, 12 and Proportional
With the 12235A Cartridge installed
  Helvetica Proportional
  Gothic 12
  Elite 12
  Times Roman Proportional

ThinkJet:
HP 2225A (HP-IB interface) HP Touchscreens only
HP 2225C (parallel interface)
HP 2225D (serial interface)

Note:
- *RS 232 connection is supported for all printers.*
- *Centronics parallel interface is supported with LaserJet, DeskJet and ThinkJet printers used with the Vectra PCs*

Please refer to individual printer data sheets for further specification information.

HP WordServices
Hardware Requirements
HP WordServices is supported on the following HP 3000 hosts:

MICRO 3000
MICRO 3000XE
Series 37XE
Series 42/42XP
Series 44/48
Series 52
Series 58
Series 64/68
Series 70
Series 925, 930, 935, 950, 955

Software Requirements
MPE V - V Delta 4
MPE XL 1.2
AGL A.06.01
NLS (Native Language Support Subsystem)

Other Requirements
HP Word/PC A.03.00
AdvancePrint A.00.01

Note:
AdvancePrint is not supported on the HP 150A therefore HP Word/PC can not interface with HP WordServices.

Printers

Laser Family:
HP 2680 - Text and Graphics
HP 2688 - Text and Graphics

LaserJet Family:
HP 2686A - (Option 300) LaserJet Plus printer
HP 2686A - LaserJet 500 Plus printer
HP 33440A - LaserJet Series II
HP 2684A - LaserJet 2000

Graphics printing is not supported.

Dot Matrix:
HP 2934 - Text only
HP 2235 - Text only

Environment Files
Environment files are provided for all supported printers. Existing HP Word/3000 customized environment files are also supported.

Mailmerge Files Supported
All the following file types are supported:

HP Word/PC Document Files
MPE Self Describing Files
DIF Files
ASCII - Quoted
        Comma Separated
        Blank Line Separated

HP Word/3000 or 7 bit ASCII files can be used if converted using the Wordutil Program supplied with the product.

Note:
The following limitations exist when doing a mailmerge
Maximum length of user variable name is 16 characters
Maximum number of user variables is 255
Maximum length of a substitution data per variable is 2048 characters
Maximum number of characters in a mailmerge data set is 5000

Ordering Information

Product Number / Product Description

HP Word/PC for the HP Touchscreen

Product Number	Product Description
HP 27505A	American English
HP 27505AB	British English

HP Word/PC for the HP Vectra PC

Product Number	Product Description
HP 27536F	American English
HP 27536FB	British English

HP WordServices

Product Number	Product Description
HP 27558A	Right to use
HP 27558R	Right to copy

Documentation

The following documentation and training materials are supplied with HP Word/PC:

Using HP Word/PC	HP 27536 - 90050
Setting up HP Word/PC	HP 27536 - 90051
Getting Started with HP Word/PC	HP 27536 - 90048
HP Word/PC Quick Reference Guide	HP 27536 - 90049

Support

Hewlett-Packard offers a broad range of support services, which, with over 180 service and support facilities throughout the world, can meet the special needs that exist in your office. Hewlett-Packard has support representatives to provide local expertise and support for these needs.

HP Word/PC

Response Center Support	99062A + D00

HP WordServices

Account Management Support	99105B + T00
Response Center Support	99105B + H00
Software Materials Subscription	27558A + S00
Additional System Coverage	99105B + V00
Extended Materials Subscription	27558A + W00

For further information, consult the HP 3000 Specification Guide for a full description of the various software support services.

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