

HP NewWave Office for MPE Operating Systems

Technical Data

HP NewWave Office software provides powerful communication, decision support, and information sharing services. HP NewWave Office offers organizations unparalleled flexibility to manage the flow and use of information. It empowers departments and ad hoc teams to share information and improve decision-making. HP's implementation offers the industry's best solution for integrating PC applications

and tapping into diverse corporate information sources.

Cooperative computing

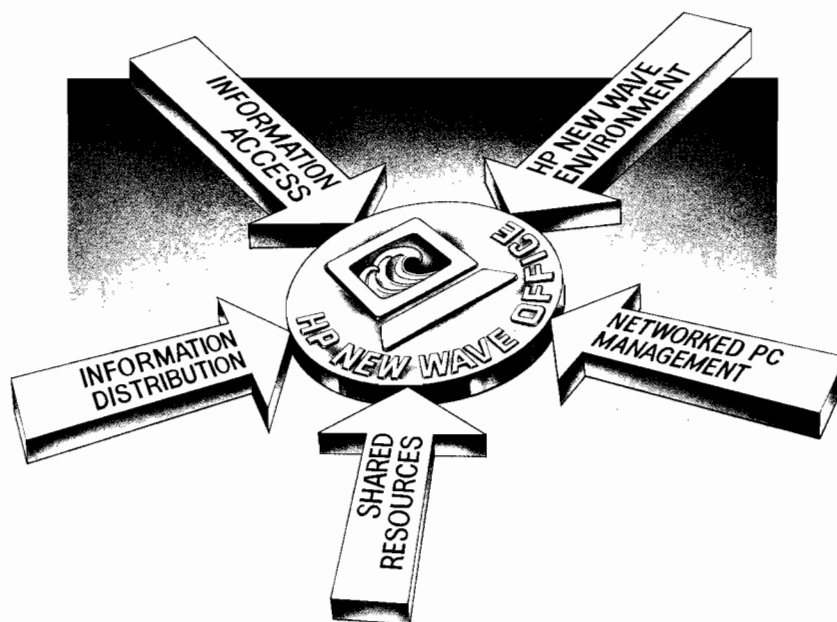
HP NewWave Office allows you to build a cooperative computing system with your choice of multivendor components and services—PCs, networking, and MPE or UNIX® servers. Cooperative computing allows you to optimally allocate your comput-

HP 3000 Systems

ing resources between servers and PCs. In addition, users will be more productive because they can access all resources from their familiar PC environment.

HP NewWave Office software breaks down technology barriers, empowering organizations to use information to their fullest advantage. It protects your investment in PCs and makes the most of corporate data and computer resources.

Figure 1. HP NewWave Office provides improved time to informed action.



A flexible system

HP NewWave Office is a flexible solution that allows you to choose from the following list of services that your organization needs today:

- the HP NewWave or traditional MS-DOS® PC environment
- Information Access
- Information Distribution
- Shared Resources
- Networked PC Management

As your organization's needs grow, services can be added incrementally. HP NewWave Office supports industry-standard PCs, UNIX and Apple Macintosh workstations (in termi-

nal emulation mode) are also supported. You can choose from a variety of local area networking options or asynchronous connections. In all, Hewlett-Packard's NewWave Office gives you the flexibility to build an information system your way.

PC environment

HP NewWave is an easy-to-use environment for integrating applications and automating tasks. The breakthrough behind HP NewWave is the Object Management Facility (OMF) which links data and applications together so users can move effortlessly among many different kinds of software. This high level of integration allows users to create documents using text, spreadsheets, graphics, and image data drawn from different applications. Equally important, changes made in the output of one application are automatically reflected in the output of others.

Beyond all this, HP NewWave offers computer-based training, an online help facility, and a consistent and predictable graphical user interface for ease of learning, use, and access to the full range of HP NewWave Office services.

It's your choice

HP NewWave Office offers you flexibility and choice for your PC environment. Using an industry-standard PC, your favorite MS-DOS and Microsoft® Windows applications are easily integrated into the HP NewWave environment, and you'll be able to add future applications without worrying about compatibility.

A non-NewWave interface is also provided for HP NewWave Office users who wish to operate in the traditional MS-DOS environment.

Information Access Services

The HP NewWave Office information access services allow users to select a broad range of data sources from their HP 3000 or PC, and output the data to PC applications of their choice. Within the cooperative computing environment, these services consist of an easy-to-use client interface on the user PC and a data server on the HP 3000. With HP NewWave Office, decision makers spend less time gathering data and more time analyzing and solving business problems.

On the PC, an interactive, query-by-example interface allows users to join, select, sort, summarize, and convert data (from a variety of data sources), in either the HP NewWave or non-NewWave environment. This data can then be formatted for use in popular PC applications. Additionally, the built-in report writer can be used to generate professional-looking reports without involvement from the database administrator. A batch processing feature is also available, allowing repetitive tasks (such as generating routine reports or queries) to be fully automated. Within the NewWave environment, these tasks can be scheduled and executed by the NewWave Agent.

On the HP 3000, administration functions are provided to control access to the data sources. For non-relational data (TurboIMAGE databases, KSAM, SD, and MPE files) a softkey driven utility is included on the HP 3000 server, allowing the database administrator to specify which data tables and combinations of existing data tables PC users can access. Relational databases (HP ALLBASE/SQL and ORACLE) provide these same administration functions as an integral part of their database management system. In either case, database administrators can satisfy their users' needs for data while maintaining central security and control of the data sources.

Information Distribution Services

HP NewWave Office information distribution services enable users to exchange information with other users on both private and public mailing systems. This versatile communication capability allows users of PCs, terminals, and UNIX and Macintosh workstations (in terminal emulation mode) to exchange many types of files throughout the system. An Intray and Outtray, tracking system, and personal electronic filing cabinet allow users to effectively manage their mail.

HP Computer Museum
www.hpmuseum.net

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Information exchange across systems and services

The HP NewWave Office information distribution services facilitate enterprise wide communication. It offers users access to other mailing services based on X.400 standards and to IBM's PROFS, DISOSS, and Telex (through the Foreign Service Connection). Now you can link mail systems so that everyone in your company can exchange information with each other better, resulting in improved inter-organizational communication and a faster response time.

A robust directory service

The information distribution capabilities also incorporate a fully integrated directory service. Directories on all nodes in the HP NewWave Office network can be synchronized, whether they are on MPE or HP-UX systems, enabling all users to simply type the recipient's name and get proper addressing and delivery.

Exchange files with a variety of formats

The information distribution services enable users to distribute many types of files to other users on the network. These could be HP NewWave objects, graphic files, word processing documents, or spreadsheets. Now the compound documents you created so easily with HP NewWave can be distributed quickly to all those who need them.

With improved availability and timeliness of information, the people in your organization are empowered to make better, faster decisions.

Shared Resource Services

With the HP NewWave Office shared resource services, available in the local area network (LAN) environment, workgroups have easy access to HP 3000 peripherals from their PC environment. Using the system shared disks, a workgroup can easily access and work on a common document, making workgroups more cohesive. Sharing high-quality printers and plotters enables workgroup members to cost-effectively produce superior documents and presentation materials for a more professional image.

Users can protect their PC files in two ways: 1) using PC Backup and 2) through normal system backup. The PC Backup capability allows users to back up their PC hard disks to a tape on the HP 3000 server. Files saved on system shared disks will automatically be stored to tape during system backup.

In the HP NewWave environment, full backup is necessary and provided with PC Backup. For non-NewWave users, full/partial backups and restores are available.

Networked PC Management Services

HP NewWave Office management tools simplify the installation of PC applications and PCs in an HP 3000 LAN environment so your organization can quickly benefit from HP NewWave Office capabilities with minimized effort. The HP NewWave and

MS-DOS applications offered with the system can be installed from the HP 3000 to all hard disk PCs in the workgroup. With enhancements, other PC applications can be centrally distributed, provided that they are appropriately licensed. With the software update service, PC users can load updated HP NewWave Office applications automatically. This is much faster than with flexible disks, and all users are assured of using the same application version.

Networking

The HP NewWave Office system offers you a broad range of industry-standard networking solutions. Users can be linked to the system via an HP local area network, RS-232 asynchronous connections, or through a gateway from a Novell network.

LANs provide several advantages over RS-232 connections, particularly capacity for higher performance, greater functionality, and cost-efficiencies. Unshielded twisted pair wiring in HPStarLAN 10 networking allows you to economically use existing wiring with ease of installation. Print/file sharing and the networked PC management capabilities are available in a LAN environment only.

Feature summary

Information Access Services

HP 3000 input data sources

Non-relational databases and file formats:

- HP TurboIMAGE/3000 databases
- HP KSAM Files
- Self Describing Files (SD)
- MPE Flat Files (including Binary and ASCII)
- Information Access Saved Tables
- HP Business Report Writer Intermediate Report File (BRW/IRF)

Relational databases:
(MPE/XL only)

- HP ALLBASE/SQL
- ORACLE

HP 3000 output data formats

From non-relational databases and file sources:

- DIF Files
- SD Files
- MPE Flat Files (including Binary and ASCII)
- Information Access Saved Tables
- HP Business Report Writer Intermediate Report File (BRW/IRF)
- HP ALLBASE/SQL (MPE/XL only)

PC input data sources

- RBase™ for DOS, System V, 5000, 4000
- dBASE® IV, III PLUS, III®, II®
- Lotus® 1-2-3®, Symphony®
- CONDOR™

PC output data formats

- RBase for DOS, System V, 5000, 4000
- dBASE IV, III PLUS, III, II
- Lotus 1-2-3, Symphony
- CONDOR
- Information Access Report Writer
- File formats:
 - DIF
 - Quoted Basic
 - ASCII

Information Distribution Services

Host services

- Distribution list management
- Electronic mail tracking
- Private and urgent information
- Information encryption
- New mail notification
- Deferred information delivery
- Autoanswer and autoforward facilities
- Concurrent Principal/Designate access
- Public information sharing through the Notice Board and public distribution lists
- Context switching
- Optional connection to X.400 messaging system
- Automatic remote directory synchronization
- Transparent routing between network nodes
- Foreign Service Connection for communicating with external systems

Customization

- Customizable system and user function keys
- Task automation using script files
- Forms processing
- Customizable welcome screen, message headers, and menu help system
- Application Manager to access HP 3000 applications
- Configurable display of graphics and/or spreadsheets
- Optional application integration via HP DeskManager Intrinsic

Personal management capabilities

- Personal filing with password control
- Search by attribute: date, creator name, item type, subject
- Electronic wastebasket
- Personal diary management

AdvanceMail

Electronic mail system for PCs in the non-NewWave environment

- Easy exchange of messages and PC files with host mailing services
- Full distribution list management
- Automatic conversion and mail filters
- Integration of HP and third party word processors
- Command language to manage remote or complex connections (e.g., X.25 PADS)
- X.400 address format

NewWave Mail

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 - Full distribution list management
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 - Integration of HP and third party word processors
 - Command language to manage remote or complex connections (e.g., X.25 PADS)
 - Automatic background message transfer
 - New mail notification

Shared Resource Services*Disk sharing*

- User-transparent access to shared disks
- File sharing between users
- Public and private directories
- Support for networked applications
- Full MS-Net compatibility
- Protection by MPE security and MS-Net passwords
- Backup of system shared disk files during system backup
- HP NewWave office storage and retrieval

Printer and plotter sharing

- Transparent access to printers and plotters
- Spooling for concurrent use of printers and plotters

Supported peripherals include:

- The HP LaserJet family of printers
- HP DeskJet
- HP PaintJet
- HP 2680A
- HP 7550A Plotter

PC Backup

- Backup of PC hard disks to HP 3000 tape drives
- Simultaneous backup by multiple users to same system media
- Simple user interface
- Full backups with incremental partials for non-NewWave users
- Full backups and full restores for HP NewWave users

Networked PC Management Services

Automated:

- Network installation
- HP application distribution
- HP software application update service

Personal applications

The HP NewWave environment or the traditional MS-DOS environment with the Personal Applications Manager (PAM) interface is provided.

- Included in the Personal Applications package: Executive MemoMaker, Lotus 1-2-3 (version 2.01), AdvanceLink for MS-DOS, and the Gallery Collection (Charting Gallery and Drawing Gallery)

HP NewWave environment

- Object Management Facility
- HP NewWave Agent—first release functionality
- Online help facility
- Computer-based training
- Text note for basic word processing
- Encapsulation of existing MS-DOS and Microsoft Windows applications

HP NewWave Write

HP NewWave Write is a word processor that is fully integrated with the HP NewWave environment, offering:

- Object Integration
- Spelling Checker
- Auto-pagination
- Page Preview
- Autosave
- ASCII, Executive MemoMaker and DCA conversion

Product requirements

These requirements apply to a LAN-based solution. Refer to component data sheets for requirements in an asynchronous environment space.

HP 3000 systems

HP MPE/V:

- 4 Mbytes minimum memory
- HP MPE/V-Delta-9 G.03.09 (or later)

HP MPE/XL:

- 24 Mbytes minimum memory
- HP MPE/XL release 2.1 A.21.00 (or later)

Personal computers

- HP Vectra Desktop PCs (except the portable LS/12)—Vectra DOS Version 3.10, 3.2, 3.3, and 4.01
- IBM PC/XT/AT Computers—PC DOS Version 3.10, 3.2, 3.3 and 4.01
- IBM PS/2 Computers—PC DOS Version 3.3 Models 30, 50, 60, 70, and 80
- Compaq DeskPro 286, 386, 386S—MS-DOS 3.1

PCs minimally require:

- A dual flexible disk drive (double sided/double density) for all HP NewWave Office services except networked PC management
- To support the networked PC management services, each PC requires a 20 Mbyte disk drive and the system administrator's PC must have a 1.2 Mbyte disk drive
- 640 Kbytes minimum memory

HP NewWave environment

In addition to the above requirements:

- HP Vectra A/A +/ES/RS/QS
- IBM/AT—PC DOS 3.2, 3.3
- IBM PS/2—PC DOS 3.3 Models 50, 60, 70, and 80
- Compaq DeskPro 286, 386, 386S
- 3 Mbytes of LIM EMS 4.0 memory (80286)
- 4 Mbytes of total memory (80386)
- 1.2 Mbyte flexible disk drive
- 40 Mbyte hard disk
- EGA or VGA monitor and card
- Microsoft Windows supported mouse
- MS-DOS 3.2, 3.3, 4.01
- Microsoft Windows/286 2.11

Supported memory

- HP Vectra Expanded Memory card, P/N 45944A
- AST RAMpage 286
- AST RAMpage Plus 286
- Intel Above Board 286

Networking environment

- HP StarLAN 10 or HP ThinLAN Network PC Link
- HP OfficeShare (any B.XX.XX version) LAN Network Services-User Services
- HP OfficeShare (any B.XX.XX version) LAN PC User Configuration and Diagnostics
- LAN/3000 Link (additional networking products may be required for multiple system connections)
- HP NS LAN Gateway for Novell connectivity

Support

Hewlett-Packard's industry-leading software support program includes the Software Materials Update Service and allows you to choose the level of support you need—HP Teamline, HP ResponseLine, or HP BasicLine.

Support features available include:

- A software update service ensuring that your software is kept current and that you benefit from any fixes or enhancements that become available
- Electronic access to support information
- Access to the HP Response Center for telephone assistance
- An HP consultant to offer specific recommendations and help you get the most productivity from your system.

Network support services from consulting and planning through implementation are available to assist you in maximizing the effectiveness of your network. Contact an HP sales representative for details.

Product installation

Installation by a Hewlett-Packard Applications Engineer is provided for the initial configuration of the server and for one PC workstation. Installation assistance for additional PC workstations is available. Contact an HP sales representative for details.

Training

Implementation and Administration is a two-day course for system and network administrators. It provides students with the necessary skills for planning, configuring, and maintaining a local area network using HP NewWave Office. Contact an HP sales representative for more details.

For more information, call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.

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
(312) 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

Canada:

Hewlett-Packard Ltd.
6877 Goreway Drive
Mississauga, Ontario L4V1M8
(416) 678-9430

Japan:

Yokogawa-Hewlett-Packard Ltd.
15-7, Nishi Shinjuku 4-Chome
Shinjuku-ku, Tokyo 160
(03) 5371 1351

Latin America:

Hewlett-Packard
Latin American Region Headquarters
Monte Pelvoux No. 111
Lomas de Chapultepec
11000 Mexico, D.F. Mexico
(525) 202-0155

Australia/New Zealand:

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

Far East:

Hewlett-Packard Asia Ltd.
22/F Bond Centre
West Tower
89 Queensway
Central, Hong Kong
(5) 8487777

In Europe, please call your local HP sales office or representative:

Austria, COMECON-countries and Yugoslavia:

(0222) 2500 0

Belgium and Luxembourg:

(02) 761 34 11

Denmark:

(02) 81 66 40

Finland:

(0) 88 721

France:

(1) 60 77 42 52

Germany:

(06172) 16 0

Greece:

(01) 68 28 11

Iceland:

(01) 671 000

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(01) 88 33 99

Italy:

(02) 92 36 91

Netherlands:

(020) 547 6669

Norway:

(02) 24 60 90

Spain:

900 123 123

Sweden:

(08) 750 20 00

Switzerland:

(057) 31 21 11 (Head Office)
(022) 780 41 11 (Suisse Romande)
(046) 05 15 05 (Customer
Information Center)

UK:

(0734) 777 828

Middle East and Africa:

Geneva, Switzerland
41/22 780 7111

European Headquarters:

Hewlett-Packard S.A.
150, Route du Nant d'Avril
1217 Meyrin 2
Geneva, Switzerland
41/22 780 8111

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