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# HP AdvanceLink for MS-Windows and HP NewWave A.03.18

## Technical Data

**Product Numbers**  
**HP D2104C, D2108C,**  
**D2114C, D2434C**

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HP AdvanceLink for MS-Windows® and HP NewWave is a comprehensive data communications product which enables you to integrate host/terminal applications with your client/server and personal computer applications. It provides emulation of HP and DEC terminals, allowing you to access and execute host software from your PC while in either MS-Windows or HP NewWave.

### File Transfer

Fast, reliable file transfer simplifies the exchange of data between your PC and the host. AdvanceLink is supported on a variety of personal computers and supports Serial and LAN connections to the host computer.

### Multitasking

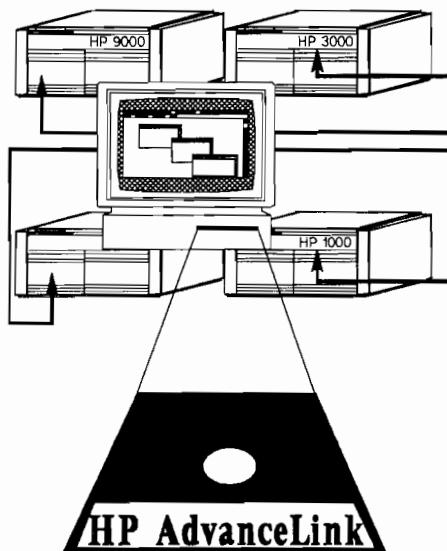
HP AdvanceLink support of MS-Windows provides all the advantages of a graphical user interface, such as host connections via rescalable windows, pull-down menus and mouse usage to click on icons. The multitasking capability of MS-Windows permits you to establish multiple simultaneous host connections over Serial and LAN links.

### Cut and Paste

Cut and paste support provides an even deeper level of PC to host application integration. Using the Cut and Paste commands from the menu box you can uplift data from one application and place in another application's Window.

### DDE Support

Microsoft®'s DDE protocol enables you to set up automatic interactions between applications, one time transfers of information or ongoing conversations. HP AdvanceLink extends the range of DDE so that



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you can exchange data not only with applications residing on your PC, but also with applications running on the host computer.

### **Command Language**

Task automation through the extensive scripting language minimizes the work required to complete complex, frequent activities. Thus improving productivity and reducing training needs. TermTalk is HP AdvanceLink's command language providing over 150 commands, enabling you to create comprehensive scripts to, for example, log on users to applications and send, receive or print files.

### **HP NewWave**

HP NewWave support provides further benefits beyond MS-Windows. HP AdvanceLink can handle HP NewWave data objects, simplifying data transfer through Drag and Drop. The TermTalk scripting language has features in common with the Agent language and is able to invoke Agents.

### **HP AdvanceLink for MS-Windows**

#### **Features**

#### ***Terminal Emulation***

- HP 2392A
- HP 700/94
- HP 700/92
- HP ANSI
- DEC VT100

#### ***Display Features***

- Scalable/fixed fonts
- Drag and drop of files or whole directories
- 26 line by 80 column display
- Support for 132 and 160 columns (directly displayed or scrolled, depending on monitor resolution)\*
- Vertical and horizontal scrolling
- Support for alternate character sets
- Display enhancements: Inverse, Underline, Half-bright, Blink, Bold, Box and Security (non display)
- Display functions for visible control characters
- Support for function keys F1-F12
- Support for shifted function keys
- Multiple simultaneous sessions via serial or LAN connection
- Indicator icons for connection state, logging, keyboard lock, stop/go, script activity
- Virtual memory support
- Configurable display memory, up to 7200 lines
- Intelligent type ahead
- Log to directly connected or networked printer, clipboard or disk file
- Transmit only fields\*
- Forms cache\*
- Modified data tags\*

\* Supported only on the HP 700/94

#### ***File Transfer***

- File transfer to HP 9000 or HP 3000
- XMODEM file transfer to HP 1000 and non-HP hosts
- Automatic calculation of blocksize for optimum performance
- Blocksize adjustable via TermTalk

- Data compression for faster transfer
- Support for 7 bit and sensitive networks
- Automatic character conversion for HP Roman8 for ANSI international characters

#### ***Command Language (TermTalk)***

- English based, easy to use for non programmers
- Language compiler and interpreter
- Core language includes: user procedures, subscripts, unlimited variables, variable strings up to 32000 characters, arithmetic expression handling, string manipulation, logical operators, if/then/else instructions, looping, comments
- Language editor—files can be written, debugged and run within AdvanceLink
- Script encryption/decryption facility
- Host control facility—any TermTalk command can be issued from a host application through an escape sequence
- Scripts may be attached to function keys or a script menu for quick access
- Script recording—user can perform a task within AdvanceLink and a command file will be automatically created
- Conversion utility simplifies the translations of AdvanceLink for MS-DOS® command files for use with TermTalk
- Sample scripts

### **DDE Support**

- Support for Microsoft's DDE in both client and server modes, allowing automatic one time transfers of data or ongoing conversations between applications
- DDE commands supported are: advise, request and poke; allowing an interface to TermTalk scripting and host application screen output.

### **HP NewWave**

The following additional features are available when AdvanceLink is installed under HP NewWave:

- HP NewWave Agent task integration—an Agent can invoke a single TermTalk command, call a TermTalk file and TermTalk can invoke an Agent task
- Object handling—AdvanceLink can recognize and manipulate NewWave Objects as well as TermTalk containing Object Import and Export commands
- Drag and Drop—you can "drag" an Object across the desktop and "drop" it onto the AdvanceLink Connection Object to initiate file transfer. TermTalk can be used to create "drag and drop" command files to automate file transfer or other operations
- HP NewWave Help integration—you can invoke HP NewWave help from within AdvanceLink
- Baud rates from 300 to 19200
- Hayes compatible modem support
- Novell Netware to HP 3000 via HP Netware/iX or HP NS LAN gateway
- X.25 network via PAD 2334/5

## **Hardware Requirements**

### **Host System:**

HP 9000, HP 3000, HP 1000

### **Personal Computers:**

HP Vectra, any 100% IBM compatible PC. 80386 or higher CPU is recommended.

### **Disk Drive:**

One high density flexible disk drive and one hard disk drive.

### **Memory:**

MS-Windows 3.0a/3.1 manages the memory usage of applications, HP AdvanceLink for MS-Windows will run in any memory configuration supported by MS-Windows 3.01a/3.1.

### **Monitor:**

An EGA or VGA video adapter with a minimum of 128KB RAM. A color monitor is required for color graphics and text.

## **Software Requirements**

### **Operating System:**

MS-DOS 3.1 or later plus MS-Windows 3.0a/3.1, and for NewWave usage; HP NewWave 3.0/4.0/4.1.

### **Networking:**

- Single LAN session to HP 3000 or HP 9000 via HP OfficeShare III\*
- Multiple LAN sessions to HP 3000 via HP DOS Network Services 2.1
- Multiple LAN sessions to HP 9000 via HP LANManager HP DOS ARPA 2.1

\* HP OfficeShare will require the presence of a PROBE server (at least one HP 9000 or HP 3000 running Network Services). If no PROBE is present then ARPA Services 2.1 must be installed on the PC.

## **Ordering Information**

To order HP AdvanceLink for MS-Windows and HP NewWave, please contact your local HP sales office or HP Dealer.

**D2104C** HP Advance Link for MS-Windows and NewWave IBM format 5.25" and 3.5" disks, one set of manuals, and a license for a single user

**D2108C** HP AdvanceLink for MS-Windows and NewWave An upgrade from any previous version of HP AdvanceLink/Windows/NewWave or AdvanceLink for MS-DOS to the current version. IBM format 5.25" and 3.5" disks and manual update

**D2114C** HP AdvanceLink for MS-Windows and NewWave Single Right to Copy License

**D2434C** HP AdvanceLink for MS-Windows and NewWave Single Right to Copy Upgrade License from any previous version of HP AdvanceLink/Windows/NewWave or AdvanceLink for DOS to the current version.

## Contractual Support Options

### H2015A+H00

HP ResponseLine for commercial PC software. Telephone assistance for resolving problems with HP PC software and several popular third party software products, answering product usage questions and reporting software problems.

**H2001+H00** HP ResponseLine for Commercial Systems Software. Integrated PC office option (#0F8) includes ResponseLine coverage for your HP PC operating systems and software products.

**H2011+H00** HP ResponseLine for HP 9000 Systems Software. Integrated PC office option (#0F8) includes ResponseLine coverage for your HP PC operating systems and software products.

## Network Capability—version A.03.18

Host Requiring HP Terminal Emulation	PC Connectivity	Protocol	AdvanceLink Connection to Select	Windows Modes Supported	
				3.0a	3.1
Any Host: (HP 3000, HP 9000, HP 1000, DEC VAX, UNIX)	Serial Port	RS 232C	COM1-4	S,E	S,E
	Serial Port	RS 422	COM1-4	S,E	S,E
	Int 14 Driver	—	INT 14 1-2	S,E	S,E
	Eicon Redirector	X.25	COM1-4	S,E	S,E
HP 3000	HP OfficeShare III	VT	AdvanceNet	E*	E*
	HP Network Services 2.0	VT	AdvanceNet	E	E
	HP Network Services 2.1	VT	AdvanceNet	S',E	S,E
HP 3000 with Wallongong ARPA Services	HP ARPA Services 2.0	Telnet	BAPI	E	E
	HP ARPA Services 2.1	Telnet	BAPI	E	S,E
	3Com LAN Manager	Telnet	BAPI	E	E
HP 9000	HP OfficeShare III	CVT Telnet	HP Telnet		E*
	HP ARPA Services 2.0	Telnet	BAPI	E	E
	HP ARPA Services 2.1	Telnet	BAPI	E	S,E
	3Com LAN Manager	Telnet	BAPI	E	E
	NetManage's NEWT	Telnet	NEWT Telnet	S,E	S,E
	Frontier's SuperTCP	Telnet	SuperTCP Telnet	S,E	S,E
Other UNIX or TCP/IP Systems HP 1000, Sun, DEC, VAX, Apollo, etc.	HP ARPA Services 2.0	Telnet	BAPI	E	E
	HP ARPA Services 2.1	Telnet	BAPI	E	S,E
	3Com LAN Manager	Telnet	BAPI	E	E
	NetManage's NEWT	Telnet	NEWT Telnet	S,E	S,E
	Frontier's SuperTCP	Telnet	SuperTCP Telnet	S,E	S,E

S = Standard Mode, S' = Standard Mode requires MS-Windows 3.00a, E = Enhanced Mode, VT = Virtual Terminal, CVT = Character Virtual Terminal, \* = Single LAN Session

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