

HP AdvanceLink for MS-Windows and HP NewWave

Data Sheet

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. Fast, reliable file transfer

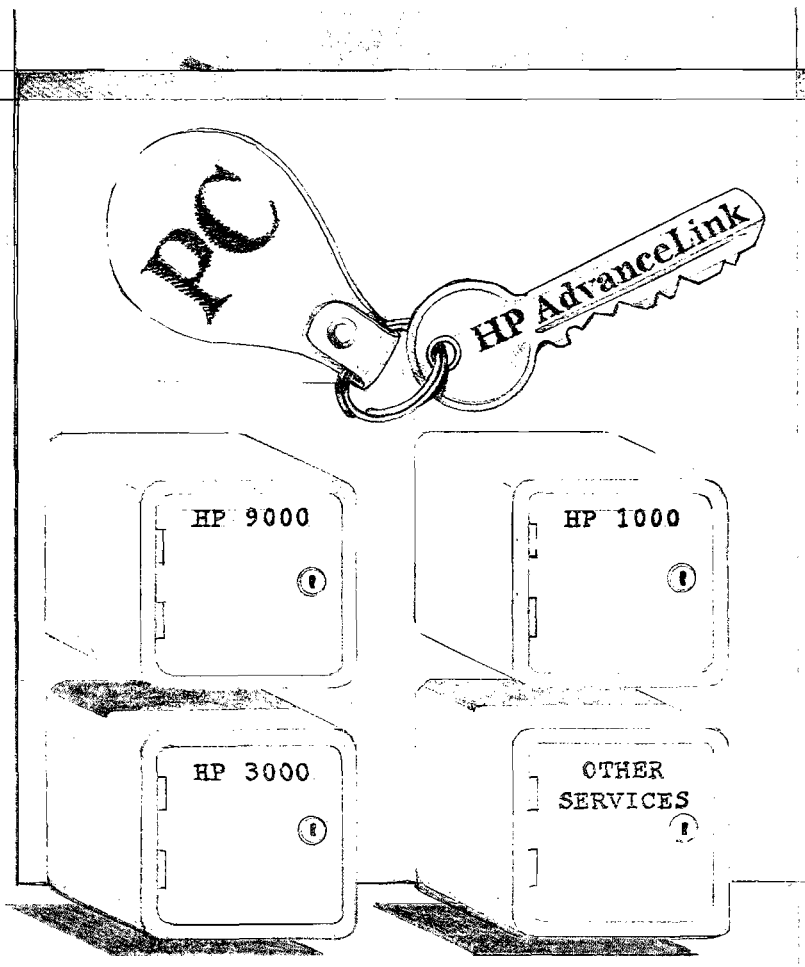
simplifies exchange of data between your PC and the host. Task automation minimizes the work required to complete complex or frequent activities, improving productivity and reducing training needs. AdvanceLink is supported on a variety of personal computers and supports serial and LAN connections to the host computer.

MS-Windows®

The multitasking capability of MS-Windows permits you to establish multiple simultaneous host connections over serial or LAN links. Microsoft's DDE protocol, combined with AdvanceLink's powerful "TermTalk" command language, enables you to integrate host applications with your PC even more closely.

HP NewWave

HP NewWave offers further benefits beyond MS-Windows. HP offers you the choice of installing AdvanceLink either as an MS-Windows or a native HP NewWave application, from a single set of disks. When you install it in the HP NewWave environment, additional user interface and task automation functions are enabled. AdvanceLink can then recognise and handle HP NewWave data objects, simplifying data transfer. The TermTalk command language has features in common with the HP NewWave Agent language, and is better suited to data communications tasks. TermTalk can also invoke HP NewWave Agents. When you use AdvanceLink within the HP NewWave environment, you have the benefits of this sophisticated user interface and the powerful task automation capabilities, enabling you to achieve a level of integration which is impossible in other environments.



HP Computer Museum
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AdvanceLink for MS-Windows

Features

Full block/line mode emulation of HP 2392, including ANSI mode, plus DEC VT100 and the main features of HP 700/94.

MS-Windows 3.0 support and user interface style

- Real, standard or enhanced modes of MS-Windows 3.0 are supported depending upon host connection method.

Display Features

- 26 line by 80 column display
- Vertical and horizontal scrolling
- Support for all 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
- Support for 132 and 160 columns (directly displayed or scrolled, depending on monitor resolution)
- Virtual memory support
- Configurable display memory, up to 7200 lines
- Intelligent type ahead
- Log to directly connected or networked printer, clipboard or disk file

HP 700/94 terminal features

- Transmit only fields
- Forms cache
- Modified data tags

Network capability

- Direct RS-232-C or RS-422 connection (COM1, COM2, COM3, COM4)
- Hayes compatible modem support

- Baud rates from 300 to 19200
- HP LAN Manager via HP DOS Network Services 2.1 (HP 3000)
- HP LAN Manager via HP DOS ARPA Services 2.1 (HP 9000)
- 3Com LAN Manager for connection to other hosts
- Novell Netware to HP 3000 via HP Netware/XL or HP NS LAN gateway
- X.25 network via PAD 2334/5
- Eicon Technology X.25 network adapter card (with Eicon driver software) support for stand alone and NetBIOS compatible LANs
- Windows Dynamic Link Libraries allowing connection to hosts over NDIS-compatible TCP/IP networks, using NetManage Inc. NEWT or Frontier Technology Corp's SuperTCP.

File transfer

- File transfer to HP 3000 or HP 9000
- Automatic calculation of blocksize for optimum performance
- Blocksize adjustable via TermTalk
- Data compression for faster transfer
- XMODEM for file transfer to non HP hosts
- Support for 7 bit and sensitive networks
- Automatic character conversion for HP Roman8 for ANSI international characters

*See Network Support diagram

TermTalk Command Language

- 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

- 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 script menu for quick access
- Script recording – user can perform a task within AdvanceLink and a command file will be automatically created.
- Support for Microsoft DDE in both client and server modes.
- Conversion utility – This simplifies the translation of AdvanceLink for MS-DOS command files for use with TermTalk.

HP NewWave Integration

The two disks contain the required files for installation either as an MS-Windows, or full HP NewWave application.

AdvanceLink for HP NewWave

AdvanceLink for Windows can be installed in the HP NewWave environment. In this case, the following additional features are enabled:

HP NewWave Agent Task Integration

Agent can invoke a single TermTalk command.
Agent can call a TermTalk file.
TermTalk can invoke an Agent task.

Object Handling

AdvanceLink can recognise and manipulate NewWave Objects. TermTalk contains 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. You can use TermTalk to produce "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.



**Network Support for
Version A.03.11**

Host Requiring HP Terminal Emulation	PC Connectivity	Protocol	AdvanceLink Connection to Select	Windows 3.0 Modes Support
Any Host: (HP 3000/9000 HP1000 DEC VAX, UNIX)	Serial Port	RS 232C	COM1, COM2	R, S, E
	Int 14 Driver	-	INT 14 1-2	R, S, E
	Eicon Redirector	X.25	COM1, COM2	R, S, E
HP 3000	HP OfficeShare III	VT	AdvanceNet	R, E
	HP Network Services 2.0	VT	AdvanceNet	R, E
	HP Network Services 2.1	VT	AdvanceNet	R, S', E
HP 3000 With Wallongong ARPA Services	HP ARPA Services 2.0	Telnet	BAPI	R, E
	HP ARPA Services 2.1	Telnet	BAPI	R, E
	3Com LAN Manager	Telnet	BAPI	R, E
HP 9000	HP OfficeShare III	CVT	HP Telnet	R
	HP ARPA Services 2.0	Telnet	BAPI	R, E
	HP ARPA Services 2.1	Telnet	BAPI	R, E
	3Com LAN Manager	Telnet	BAPI	R, E
	NetManage NEWT	Telnet	NEWT Telnet	E, S
	Frontier SuperTCP	Telnet	SuperTCP Telnet	E, S
Other UNIX or TCIP Systems HP 1000, Sun, DEC, VAX, Apollo etc	HP ARPA Services 2.0	Telnet	BAPI	R, E
	HP ARPA Services 2.1	Telnet	BAPI	R, E
	3Com LAN Manager	Telnet	BAPI	R, E
	NetManage NEWT	Telnet	NEWT Telnet	E, S
	Frontier SuperTCP	Telnet	SuperTCP Telnet	E, S

R = Real Mode, S = Standard Mode, S' = Standard Mode requires MS-Windows 3.00A,
E = Enhanced Mode, VT = Virtual Terminal, CVT = Character Virtual Terminal

Hardware Requirements

Host system:

HP 3000, HP 9000, HP 1000

Computer:

HP Vectra, any 100% IBM compatible personal computer.

Disk drive:

One high density (at least 720KB) and one low density flexible disk drive, or one flexible disk drive and one hard disk drive.

Memory:

Microsoft Windows 3.0 manages the memory usage of applications. AdvanceLink for Windows will run in any memory configuration supported by MS-Windows 3.0.

Monitor:

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

Software requirements

Operating system:

MS-DOS 3.1 or later plus MS-Windows 3.0, HP NewWave 3.0

Networking:

Single LAN session to HP 3000 via HP OfficeShare III.

Single LAN session to HP 9000 via HP OfficeShare III.

Multiple LAN session to HP 3000 via HP OfficeShare and HP DOS Network Services 2.1.

Multiple LAN session to HP 9000 via HP Lan Manager and HP DOS ARPA Services 2.1.

Note: In an HP OfficeShare LAN, AdvanceLink requires the presence of a PROBE server (ie at least one HP 3000 or HP 9000 running Network Services). If no PROBE server is present, ARPA Services 2.1 MUST be installed on the PC.

Ordering Instructions

To order the following products, contact your HP Sales Office or your local HP dealer.

Product Number Description

MS-Windows/HP NewWave Environment

D2104B	IBM format 5.25" and 3.5" disks, plus one set of documentation and license for a single user.
D2104-60006	Upgrade from any previous version of AdvanceLink for Windows (D2104A) or AdvanceLink for MS-DOS (68333F, 68333B) to the current version of AdvanceLink for Windows (D2104B). IBM format 5.25" and 3.5" disks.
D2114B	Single user license certificate only.
D2434B	User license upgrade from any previous version of AdvanceLink for Windows (D2114A) or AdvanceLink for MS-DOS (68333L, 68333Q, 68333S, 68333J) to the current version of AdvanceLink for Windows (D2114B). Single user license certificate only.

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 Option #OF8)	HP ResponseLine for Commercial Systems Software. Integrated PC office option (#OF8) includes ResponseLine coverage for your HP PC operating system and software products.
H2011+H00 Option #OF8	HP ResponseLine for HP 9000 systems software. Integrated PC office option (#OF8) includes HP ResponseLine coverage for your HP PC operating system and software products.

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