

# Software Product Description

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**PRODUCT NAME: PATHWORKS X.25 (DOS/Windows),  
Version 5.0**

**SPD 42.73.01**

## **DESCRIPTION**

PATHWORKS X.25 (DOS/Windows™) V5.0 software is part of the PATHWORKS family of software products, that provides PC networking and Networking Operating Systems (NOS) integration, in local and wide area networks. PATHWORKS X.25 (DOS/Windows) V5.0 is an add-on product to the PATHWORKS V5 for DOS and Windows product.

PATHWORKS integrates the broadest set of PCs, servers, NOSs, and network transports and protocols and provides the foundation for client-server applications and corporate information exchanges. PATHWORKS provides a framework for integrating personal computers into an organization's total information system, so different types of users can share information, large system resources, and network services across the entire organization.

PATHWORKS X.25 (DOS/Windows) V5.0 provides connectivity to single remote PCs connected to public or private X.25 Packet Switched Data Networks (PSDN) conforming to CCITT recommendation X.25 (1984).

### **PATHWORKS X.25 (DOS/Windows) Features**

PATHWORKS X.25 (DOS/Windows) V5.0 provides connectivity for a single PC over an X.25 link (PSDN).

PATHWORKS X.25 (DOS/Windows) V5.0 also supports the X.32 facility which provides access to the X.25 indirectly from the telephone network (known as a PSTN) using a dial-up connection.

PATHWORKS X.25 (DOS/Windows) V5.0 gives users the facilities to install and operate PATHWORKS V5 for DOS and Windows client software on a remote PC which is connected to an X.25 network, both over a private or a public X.25 network.

With PATHWORKS X.25 (DOS/Windows) V5.0, users can connect their remote PC clients to any PATHWORKS servers running TCP/IP or DECnet phase IV over the X.25 network.

All PATHWORKS for DOS and Windows applications and services that can be accessed by a PATHWORKS V5 for DOS and Windows PC client using TCP/IP or DECnet phase IV (such as file and print services, terminal emulation, mail, and so on), which do not require broadcasting, are supported.

The right to use PATHWORKS X.25 (DOS/Windows) V5.0 is granted by the PATHWORKS V5 for DOS and Windows client licenses (refer to the *SOFTWARE LICENSING* section).

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**Note**

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For more information on PATHWORKS V5 for DOS and Windows software refer to the Software Product Description (SPD 55.07.xx).

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### **New Features**

- A Windows based user interface greatly simplifies installation and configuration of the PC
- Remote installation allows the client to invoke customized templates for easy configuration
- Multi-protocol communications: TCP/IP and DECnet Phase IV
- Users have a choice of incoming and outgoing X.25 calls
- Dial-in X.25 (X.32) from the Public Switched Telephone Network (PSTN)
- Automatic disconnect feature saves on telephone charges
- Software includes the X.25 drivers for the supported X.25 PC cards, X.32 PCMCIA and external pocket modems, simplifying installation
- Supports X.25 MCA bus cards in addition to ISA bus cards from EICON Technology Corporation
- Supports PATHWORKS WAN ACCESS add-on product to connect up to 5 PATHWORKS PCs at a remote location over a single X.25 connection (SPD 51.57.xx)

### **Functional Details**

PATHWORKS X.25 (DOS/Windows) is installed with PATHWORKS V5 for DOS and Windows and provides the remote PC with the following services and applications over the TCP/IP and DECnet protocols.

#### *Access to PATHWORKS Servers*

All PATHWORKS server software products supported by PATHWORKS V5 for DOS and Windows client software when running TCP/IP or DECnet phase IV as transport protocols are supported.

The PATHWORKS server must be connected through the enterprise network to the X.25 network via one of the X.25 routers listed in the *X.25 Router Support* section.

#### *X.25 Communications*

PATHWORKS X.25 (DOS/Windows) connects a PATHWORKS V5 for DOS and Windows PC to the X.25 PSDN network conforming to CCITT recommendation X.25 (1984) using the LAPB or LAPBE variants of the data link level and X.25 packet level protocols.

It allows the PC to function as a Data Terminal Equipment (DTE). PATHWORKS X.25 (DOS /Windows) V5.0 supports one switched virtual channel (SVC) per transport protocol (TCP/IP or DECnet), and the two transport protocols can run simultaneously.

All CCITT X.25 facilities, through an non-restrictive hexadecimal field, are supported (as such the Network User Identifier - NUI - is supported), and through a more advanced setting for the following parameters:

<b>Description</b>	<b>Para. No. in CCITT X.25 (1984)</b>
Extended packet sequence numbering	6.2
Non-standard default window size	6.10
Reverse charging	6.18
Non-standard packet size	6.9
Flow control parameter negotiation	6.12

#### *X.25 Profiles*

PATHWORKS X.25 (DOS/Windows) offers more than 90 different PSDNs profiles selectable during the installation. For additional PSDN or private networks, it offers the possibility to configure your personal profile. Refer to the *X.25 NETWORK PROTOCOLS SUPPORTED* section for details on supported X.25 networks and available configurations.

#### *Transport Protocol Support*

PATHWORKS X.25 (DOS/Windows) software supports TCP/IP or DECnet Phase IV or both simultaneously as wide area network transport protocols.

#### *X.25 Router Support*

TCP/IP and DECnet phase IV applications and services available on the enterprise network can be reached through any X.25 routers and software providing TCP/IP (rfc 877) or DECnet Phase IV (DLM) routing capability. The following list is a non-exhaustive list of the X.25 routers and software that are supported, which reflects the routers that have been tested with PATHWORKS X.25 (DOS/Windows) V5.0:

- DECnis 500/600 V2.2 with TCP/IP and DECnet phaseIV
- DECWANrouter 250 V1.1 with TCP/IP
- DECWANrouter 500 V1.0 with DECnet phaseIV
- DECbrouter 90 V9.14 (3) with TCP/IP (not DEcnet)

*X.32 Support: Dial-in X.25 over the PSTN*

PATHWORKS X.25 (DOS/Windows) provides also a reliable and cost-effective solution that connects mobile PC notebook users or desktop PCs to a central site via a standard telephone line.

Notebooks with a PCMCIA synchronous modem or desktop PC with a pocket modem can access the X.25 network from the Public Switched Telephone Network (PSTN). This solution provides the benefits of the X.25 network but adds the dimension of mobility.

PATHWORKS X.25 (DOS/Windows) V5 integrates the necessary X.25 protocol with the appropriate drivers to run one "autosync" X.32 modem.

PATHWORKS X.32 implementation meets CCITT X.25 1980 recommendations. It runs with one PCMCIA V32/V22bis synchronous modem (autosync), compatible with PCMCIA 2.0, or with an external synchronous modem connected to the COM port of the PC.

The modems are available as reference sell third-party products from Digital or from PC distribution channels.

*PATHWORKS WAN ACCESS Product Support*

When using PATHWORKS X.25 (DOS/Windows) over PATHWORKS V5 for DOS and Windows, only the connection through X.25 is accessible. When a local area network connection (either Ethernet or Token Ring) is required please refer to the PATHWORKS WAN ACCESS Product for simultaneous support of an X.25 card and a LAN card (refer to SPD 51.57.xx).

**Support of PATHWORKS Applications and Services**

The PATHWORKS X.25 (DOS/Windows) V5.0 PC is capable of running PATHWORKS V5 for DOS and Windows client applications and services over the WAN link that use TCP/IP or DECnet Phase IV as the transport protocol (with some restrictions, e.g., the WAN link does not support broadcast messages).

The applications or services listed below are provided:

- File and Print Services (LAN Manager)
- Terminal Emulation
- LAN Manager Version 2.2
- Programming Support
- Multilinguality

*File and Print Services*

PATHWORKS X.25 (DOS/Windows) V5.0 supports all PATHWORKS V5 for DOS and Windows client file and print services available over TCP/IP or DECnet transport protocols. This allows users to connect, use files, and disconnect from PATHWORKS servers. Files can be printed on locally or remotely networked printers. Printers attached to the PC can be configured as networked printers.

*Terminal Emulation*

PATHWORKS X.25 (DOS/Windows) V5.0 supports the two PATHWORKS terminal emulators VT320 and SETHOST over CTERM (DECnet) or Telnet (TCP/IP) sessions.

*LAN Manager Version 2.2*

LAN Manager Version 2.2 provides the same support as PATHWORKS V5 for DOS and Windows, with the following NetBIOS™ Interface support limitations. NetBIOS naming and datagram service are not supported, as they can not be forwarded over the WAN link.

The NetBEUI transport is not supported over the WAN link.

*Programming Support*

Application Programming Interfaces (APIs) are supported with the restriction that only TCP/IP and DECnet phase IV may be used as the transport protocol. The sending of broadcast and multicast messages over the WAN link is not supported.

*Multilinguality*

PATHWORKS X.25 (DOS/Windows) V5.0 is only available in English, but supports local language versions of PATHWORKS V5 for DOS and Windows applications and utilities.

*Other Supported Applications and Services*

The following applications and services are fully supported:

- Print Screen Services
- Network File Transfer (NFT or FTP)
- Network Management (NCP or TNCP)
- File Access Listener (FAL)
- Mail Services
- Date and Time Services
- PC DECwindows Motif®
- SEDT Screen Editor

- Supports coexistence with the SNA solution, allowing the PC to establish two separate links: PATHWORKS over TCP/IP and DECnet, and 3270 or 5250 terminal emulation to the IBM® environment

For more details of these fully supported services and applications, please refer to the PATHWORKS V5 for DOS and Windows Software Product Description (SPD 55.07.xx).

*Restricted Support for:*

- NetBIOS Interface support
- Memory Saving Techniques
- Enhanced DOS Utilities
- Digital Network Management

These restricted services are described in more detail below.

*NetBIOS Interface Support*

Same support as PATHWORKS V5 for DOS and Windows, with the exception that NetBIOS naming and datagram services are not supported, as they cannot be forwarded through routers.

*Memory Savings Techniques*

Same support as PATHWORKS V5 for DOS and Windows with the following restrictions:

- Available conventional memory is affected by the fact that the X.25 controller is used.
- Remote boot is not supported.
- It is recommended that the network protocol stack is loaded in EMS memory to ensure enough conventional memory is available to run Windows.

*Digital Network Management*

PATHWORKS X.25 (DOS/Windows) provides Network Control Program (NCP,TNCP) commands under DOS to define the line and the network to which the system is connected and to access counters.

*Additional Monitoring Tools*

Three additional tools are also provided to monitor the X.25 connection:

- ECSTATUS™, to get the connection status between the PC and the X.25 DCE
- ECSTAT™, to display statistics about the X.25 protocol
- ECTRACE™, to view the communications data streaming between the PC and the DCE

**Not Supported**

The following applications and services are not supported over the WAN link:

- Info Server Services (CD-ROM Services)

- Broadcast/Multicast Services
- Remote Boot Capability
- Maintenance Operations Protocol (MOP)
- LAT (Local Area Transport)
- LAST (Local Area Systems Transport)
- LAD (Local Area Disks)
- NETBEUI
- IPX
- UDP

#### **Installation and Configuration Utilities**

PATHWORKS X.25 (DOS/Windows) has a simple and straightforward installation that is fully integrated into the PATHWORKS V5 for DOS and Windows client installation. This allows the user to take advantage of preconfigured options (e.g. from existing PATHWORKS servers) that minimize the installation tasks.

#### **INSTALLATION**

Digital recommends the customer's first purchase of this software product include the PATHWORKS for DOS and Windows DECstart installation and orientation service. For more information, please contact your local Digital office.

To install and configure PATHWORKS X.25 (DOS/Windows) you must have PATHWORKS V5 for DOS and Windows software. This installation procedure will install:

- PATHWORKS for DOS and Windows with either TCP/IP or/and DECnet as transport
- X.25 required drivers and tools
- Specific PATHWORKS X.25 software
- X.25 network profiles
- Installation-checking software that can check the hardware, software, and X.25 connection

#### **DOCUMENTATION**

The *Installation and Configuration Guide* for PATHWORKS X.25 (DOS/Windows) V5.0 is essential for the installation, configuration, and proper use of this product. As PATHWORKS X.25 (DOS /Windows) is an add-on to PATHWORKS V5 for DOS and Windows, the documentation for PATHWORKS V5 for DOS and windows is also needed in conjunction with its distribution kit.

**PATHWORKS X.25 (DOS/Windows),  
Version 5.0**

**SPD 42.73.01**

The Installation and Configuration Guide for PATHWORKS X.25 (DOS/Windows) V5.0 provides end-users with the instructions for installing and running PATHWORKS X.25 (DOS/Windows), as well as configuring some X.25 network parameters. It provides the system manager with the instructions for creating new X.25 profiles, configuration (hardware and software), troubleshooting, and other advanced user functions.

**ORDERING INFORMATION**

*Software Media and Documentation:*

- QA-008AA-HC (high density - 1.4 MB, 3.5 inch diskettes)

Documentation only:

- QA-008AA-GZ

For X.25 PC cards or X.32 devices refer to the *HARDWARE REQUIREMENTS* section.

**SOFTWARE LICENSING**

The right to use the software is granted by PATHWORKS V5 for DOS and Windows client license (refer to SPD 55.07.xx).

A license must be obtained in advance for each system on which this software is installed.

Refer to DIGITAL LICENSE AGREEMENTS for PATHWORKS Programs section of this SPD for a description of the terms associated with these license types.

**SOFTWARE PRODUCT SERVICES**

A variety of service options are available. For more information please contact your local Digital office.

**SOFTWARE WARRANTY**

Warranty of this software product is provided by Digital with the purchase of the license for the product as defined in the Software Warranty Addendum of this SPD.

**SOFTWARE REQUIREMENTS**

*PATHWORKS Client Software*

PATHWORKS V5 for DOS and Windows (SPD 55.07.xx) is required:

- PATHWORKS for DOS and Windows client software (H-kit)
- PATHWORKS V5 for DOS and Windows license (CCS or CNS)

## **HARDWARE REQUIREMENTS**

Systems, components, and peripherals as specified below are supported except as noted for specific software components.

### **General hardware requirement:**

PATHWORKS X.25 (DOS/Windows) V5.0 requires:

- An Intel™ 80286-, 80386-, 80486-based personal computer (or upper compatible). Refer to the PC interoperability guide for specific models and configurations that have been tested.
- The personal computer base system must have:
  - A minimum of 640 KB system memory
  - A 3.5 inch (1.4 MB) diskette drive to load the media.
  - At least 1 MB of free hard disk to load PATHWORKS X.25 (DOS/Windows) V5.0 and PATHWORKS V5 for DOS and Windows.

### **X.25 connection requirement:**

When the PC is connected directly to the X.25 network, it requires :

- One of the following X.25 PC boards to be installed in the PC:
  - DS206-AA: EiconCard/PC / ISA bus / 68008 CPU / 1 MB memory / up to 19.2 kbauds / V24 interface
  - DS206-CA: EiconCard DPNA/PC - 2 port HSI™ / ISA bus /68000 CPU / 2 MB memory / up to 128 kbauds / V24/V35/X.21 interface
  - DS216-AA: EiconCard/MC / MCA bus /68008 CPU / 1 MB memory / up to 19.2 kbauds / V24 interface
  - DS216-BA: EiconCard HSI/MC / MCA bus / 68000 CPU / 1 MB memory / up to 384 kbauds / V24/X35/V21 interface
- A modem cable

*For the DS206-AA or DS216-AA:*

<b>Interface</b>	<b>Cable</b>	<b>Part No.</b>
V24	RS232-C modem cable	BC09U-10

*For the DS206-CA or DS216-BA:*

<b>Interface</b>	<b>Cable</b>	<b>Part No.</b>
V24	EICON HSI V24 modem cable	BC09V-10
V35	EICON HSI V35 modem cable	BC09W-10
X.21	EICON HSI X.21 modem cable	BC09X-10

- A synchronous modem for X.25 direct connection  
For connecting to a PSDN in Europe, the modem has to be PTT approved.

**X.32 connection requirement:**

When the PC is connected indirectly to the X.25 network, through the PSTN it requires one of the following connection solutions:

- X.32 connection through the PCMCIA or COM ports using an Autosync modem:  
The Autosync modems are available from Attachmate or from Quatenaire Informatique (France) an affiliate company to Attachmate. 2 different modem formats are available:
  - A PCMCIA 2.0 "autosync" modem card (model: TOP32)
  - An external "autosync" modem connected to the PC COM port (models: Pocket 32 or Microspeedy, certified only in some countries)
- X.32 connection using an X.25 card connected to a synchronous modem.  
PATHWORKS X.32 connectivity also works using one of the above X.25 EICON cards connected to a synchronous PTT certified modem.

Please contact your local Digital representative for more information.

**OPTIONAL HARDWARE**

Refer to PATHWORKS V5 for DOS and Windows System Support Addendum (SSA 55.07.xx-x) for the following optional hardware components that are also supported by PATHWORKS X.25 (DOS/Windows) V5.0:

- Expanded Memory Specification
- Digital Printer

- Digital Keyboard
- Video Adapters

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**Note**

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PATHWORKS V5 for DOS and Windows can run simultaneously on a LAN controller (ethernet or token ring) with PATHWORKS X.25 (DOS/Windows) when using PATHWORKS WAN ACCESS (DOS/Windows) V1.0 (refer to the SPD 51.57.xx for more information).

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**X.25 NETWORK PROTOCOLS SUPPORTED**

The following tables list the country-specific network information for the profiles that are supported by the PATHWORKS X.25 (DOS/Windows) V5.0 software.

**Table 1 X.25 countries and profiles**

Country	Network	P.S.I. Profile	PC Profile
Argentina	Ammnet	Ammnet	Ammnet
	Arpac	Arpac	Arpac
Australia	Austpac	Austpac	Austpac <sup>1</sup>
Austria	Datex-P	Datex-P_A	DatexP-A
Belgium	DCS	DCS	DCS
Brazil	Renpac	Renpac	Renpac
Chile	Vtrnet	Vtrnet	Vtrnet
China	Cnpac	Cnpac	Cnpac
Canada	Datapak	Datapak	Datapak
	Infoswitch	Infoswitch	Infoswit
	PN_NAS	PN_NAS	PN_NAS
	FASPAC	FASPAC	FASPAC
Denmark	Datapak	Datapak_DK	DatapakD
	DATANET	Datanet	datanet
	Datapak	Datapak	Datapak
	DATAPAK_II	DATAPAK_II	DATAPAK_II

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**Table 1 (Cont.) X.25 countries and profiles**

Country	Network	P.S.I. Profile	PC Profile
	DATAPAK_N	DATAPAK_N	DATAPAK_N
	DCS	DCS	DCS
Eire	EIRPAC	EIRPAC	EIRPAC
	EIRPAC84	EIRPAC84	EIRPAC84
	Postgem	Postgem	Postgem
Finland	Datapak	Datapak	DatapakF <sup>1</sup>
France	Transpac	Transpac	Transpac <sup>1</sup>
Germany	DATEX-P	DATEXP	DATEXP
	DATEXP_A	DATEXP_A	DATEXP_A
Great Britain	Packet Switchstream	PSS	PSS
	MDNS	MDNS	MDNS
Hong Kong	Datapak	Datapak_HK	DatapakH
	Intelpak	Intelpak	Intelpak <sup>2</sup>
	GDN	GDN	GDN
	GDN_E	GDN_E	GDN_E
	INET	INET	INET
	INET_E	INET_E	INET_E
	INTELPAK	INTELPAK	INTELPAK
Indonesia	SKDP	SKDP	SKDP
	SKDP_E	SKDP_E	SKDP_E
International	FIPS	FIPS	FIPS
	ISO8208	ISO8208	ISO8208
	ISO8208_E	ISO8208_E	ISO8208E
	ISO8881	ISO8881	ISO8881
	ISO8881_E	ISO8881_E	ISO8881E
	NET2	NET2	NET2
	SNA_NPSI	SNA_NPSI	SNA-NPSI
Italy	Itapac	Itapac	Itapac
Japan	ACE_TELENET	ACE_TELENET	ACE_TELENET

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Table 1 (Cont.) X.25 countries and profiles

Country	Network	P.S.I. Profile	PC Profile
	CCVAN	CCVAN	CCVAN
	DDX76	DDX76	DDX76
	DDX80	DDX80	DDX80
	DDX-P84	DDX84	DDX84
	FNET	FNET	FNET
	FNET_E	FNET_E	FNET_E
	INS_P	INS_P	INS_P
	JAISNET	JAISNET	JAISNET
	TYMNET_J	TYMNET_J	TYMNET_J
	Venus-P	VenusP	VenusP
	VENUSLP	VENUSLP	VENUSLP
	VENUSLP_E	VENUSLP_E	VENUSLP_E
Luxembourg	Luxpac	Luxpac	Luxpac
Malaysia	Maypac	Maypac	Maypac <sup>2</sup>
Mexico	Telepac Mex.	Telepac_Mex	TelepacM
Netherlands	Datanet-1	Datanet	Datanet <sup>1</sup>
New Zealand	Pacnet_NZ	Pacnet_NZ	PacnetNZ <sup>1</sup>
Norway	Datapak	Datapak_N	DatapakN
Pakistan	PAKNET	PAKNET	PAKNET
Philippines	DATANET_PH	DATANET_PH	DATANET_PH
	DATANET_PH_E	DATANET_PH_E	DATANET_PH_E
Portugal	Telepac Port.	Telepac_P	TelepacP
Singapore	Telepac_SGP	Telepac_SGP	Telepac_sgp
South Korea	Dacomnet	Dacomnet	Dacomnet <sup>1</sup>
Spain	Iberpac	Iberpac	Iberpac <sup>2</sup>
Sweden	Datapak_II	Datapak_II	DatapakI <sup>2</sup>
Switzerland	Telepac	Telepac	Telepac
Taiwan	Pacnet	Pacnet	Pacnet <sup>1</sup>

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**Table 1 (Cont.) X.25 countries and profiles**

Country	Network	P.S.I. Profile	PC Profile
Thailand	Samart	Samart	Samart
	Samart_E	Samart_E	Samart_E
	THAIPAK	THAIPAK	THAIPAK
	THAIPAK_E	THAIPAK_E	THAIPAK_E
Turkey	Turpak	Turpak	Turpak
United States	Accunet®	Accunet	Accunet
	Autonet®	Autonet	Autonet
	Bellatlantic	Bellatlantic	Bellatl
	Bellatlantic extended sequence numbering	Bellatlantic_E	BellatlE
	CompuServe®	CompuServe	CompuSer
	ConnNet	ConnNet	ConnNet
	Digipac	Digipac	Digipac
	FEDEXITC	FEDEXITC	FEDEXITC
	FEDEXITC_E	FEDEXITC_E	FEDEXITC_E
	GRAPHNET	GRAPHNET	GRAPHNET
	GRAPHNET_E	GRAPHNET_E	GRAPHNET_E
	Impacs	Impacs	Impacs
	IMPACS_E	IMPACS_E	IMPACS_E
	Infonet	Infonet	Infonet
	Marknet	Marknet	Marknet <sup>2</sup>
	Marknet extended sequence numbering	Marknet_E	MarknetE <sup>2</sup>
	PPSnet	PPSnet	PPSnet
	Pulselink	Pulselink	Pulselin
	SINET	SINET	SINET
	TELENET	TELENET	TELENET
	TYMNET®	TYMNET	TYMNET
	TYMNET_E	TYMNET_E	TYMNET_E

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Table 1 (Cont.) X.25 countries and profiles

Country	Network	P.S.I. Profile	PC Profile
	Worldnet	Worldnet	Worldnet <sup>2</sup>
	Wutconet	Wutconet	Wutconet
	WUTCONET_E	WUTCONET_E	WUTCONET_E

**Notes**

<sup>1</sup> These networks do not support the local DTE address in the call request

<sup>2</sup> These networks must have the local DTE address in the call request

**GROWTH CONSIDERATIONS**

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

**SOFTWARE PRODUCT SERVICES**

A variety of service options are available. For more information, please contact your local Digital office.

**SUPPORTED CONFIGURATIONS**

The PATHWORKS X.25 (DOS/Windows) V5.0 software has been tested on the base systems listed in the *Supported Base Systems* table (Table 1) at the end of this document. Support of a particular model as a client is subject to the requirements stated in the *HARDWARE REQUIREMENTS* and *SOFTWARE REQUIREMENTS* sections of the PATHWORKS V5 for DOS and Windows System Support Addendum (SSA 55.07.xx-x).

Each system is supported in a native hardware configuration only, and with its native operating system; that is, supported configurations are those in which the hardware components and operating system software are supplied by the base system vendor. The supported operating system versions are listed in the *SOFTWARE REQUIREMENTS* section of the PATHWORKS for DOS System Support Addendum.

If a customer problem with PATHWORKS X.25 (DOS/Windows) software can be reproduced by the customer on one of these supported configurations, Digital will work with the problem to resolution on these supported configurations. If the customer problem cannot be reproduced by the customer on one of these supported configurations, it will be the responsibility of the customer to resolve the issue.

The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.

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**Note**

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The availability of these software products, options and services may vary by country. Customers should contact their local Digital office for information on availability.

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PATHWORKS X.25 (DOS/Windows),  
Version 5.0

SPD 42.73.01

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PATHWORKS Programs**

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A Product Authorization Key constitutes proof of license, and is required to permit use of the Software in accordance with these terms.

**LICENSE TERMS**

1. PATHWORKS CCS Licenses:

A. License: PATHWORKS V5.0 for DOS and Windows (LAN Manager) CCS

When you purchase the above license you may use the following programs ("Software") under the terms in Section 1 and all terms provided in Additional Terms below.

Client Programs:

PATHWORKS V5.0 for DOS and Windows™  
PATHWORKS X.25 (DOS), any version  
PATHWORKS ISDN® (DOS), any version  
PATHWORKS for DOS (NetWare® Coexistence), any version

Server Programs:

PATHWORKS V5.0 for OpenVMS  
PATHWORKS for ULTRIX, V1.3  
PATHWORKS V5.0 for DEC OSF/1® AXP  
PATHWORKS for SCO™ UNIX®, V1.1

B. License: PATHWORKS V4.1 for Windows NT™ (LAN Manager) CCS

When you purchase the above license you may use the following programs ("Software") under the terms in Section 1 and all terms provided in Additional Terms below.

Client Program:

PATHWORKS V4.1 for Windows NT

Server Programs:

PATHWORKS V5.0 for OpenVMS  
PATHWORKS for ULTRIX, V1.3  
PATHWORKS V5.0 for DEC OSF/1 AXP  
PATHWORKS for SCO UNIX, V1.1

C. License: PATHWORKS V5.0 for DOS and Windows (NetWare) CCS

When you purchase the above license you may use the following programs ("Software") under the terms in Section 1 and all terms provided in Additional Terms below.

Client Programs:

PATHWORKS V5.0 for DOS and Windows  
PATHWORKS X.25 (DOS/Windows), any version  
PATHWORKS ISDN (DOS), any version

Server Program:

PATHWORKS V1.0 for OpenVMS (NetWare)

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**PATHWORKS X.25 (DOS/Windows),  
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**SPD 42.73.01**

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