

Software Product Description

PRODUCT NAME: SNA PC Gateway for DOS, Version V2R2

SPD 43.26.00

DESCRIPTION

SNA PC Gateway for DOS is a Digital Distributed Software product from Eicon Technology Corporation. It is PC communications software which works in conjunction with the DS206-XX or the DS216-XX synchronous communications controllers. It allows all suitably configured standalone PCs to be linked to local or remote host computers over SDLC or X.25/QLLC lines.

SNA PC Gateway Software Features

X.25/QLLC, SDLC Supports

The SNA PC Gateway for DOS supports two different links for connecting to an IBM® SNA host computer: X.25/QLLC and SDLC.

Line Protocol Features:

- X.25/QLLC Communications:
 - Complies with CCITT Recommendations X.25, X.32 and X.21 (1980 and 1984).
 - Supports X.121 link level protocol.
 - X.25 optional user facilities.
 - Permanent or switched virtual circuits.
 - Packet sizes: 64 to 4096.
 - Window size: 1 to 127.
 - DTE/DCE addressing.
 - Internal/external clocking.
- SDLC communications:
 - Supports multi-point and point-to-point lines.
 - Switched/constant carrier.
 - Non-return to zero inverted (NRZ/NRZI) encoding.
 - Internal/external clocking.

HDLC-X32 Support

The SNA PC Gateway for DOS software supports three different implementations of HDLC protocol: HDLC, HDLC-X32 and HDLC-X32E. HDLC-X32 is a variation of HDLC and is most often found in Europe. X.32 conforms to Transpac (France) and X32E to Ericsson ERIPAX.

Physical Unit (PU)

- Full support for PU types 1.0, 2.0, and 2.1.
- PUs are centralized on the SNA Gateway.
- Up to 32 PUs can be active per port of the communications controller, with up to four communications controllers per SNA Gateway.
- Ability to start and stop individual PUs.
- Ability to monitor PU status.

Logical Unit (LU)

- Full supports for LU types 0, 1, 2, 3, 4, 6.2, and 7.
- Supports up to 254 LUs per port of the communications controller, all on a single PU or shared among up to 32 PUs.
- Supports dependent and independent LUs.
- Supports parallel sessions.
- Supports LU pooling.

IBM Control Unit Emulation

The SNA PC Gateway for DOS emulates the IBM 5392 control units.

SNA Trace Facilities

The SNA PC Gateway software includes utility programs to examine the communications traffic flowing through the communications card.

ECDUMP: Dumps the contents of the communications card memory to a file.

ECDELETE: Deletes a PU session.

ECTRACE: Views the communications data streaming through the SDLC or X.25/QLLC connection.

SNA Configuration Facilities

The SNA PC Gateway includes the following configuration programs:

ECCFG: Customizes the parameters associated with each protocol.

SNA CONFIG: Defines the characteristics of each SNA controller (or physical unit) to be emulated.

3270 and 5250 Emulation Products Support

The SNA PC gateway for DOS supports the following Access products:

- Access for DOS (VT220)
- Access for DOS (3270)
- Access for Windows™ (3270)
- Access for DOS (5250)
- Access for Windows (5250)

HARDWARE REQUIREMENTS*Processors Supported:*

80386- or 80486-based Digital personal computers.

Disk Space and Memory Requirements:

- Disk size: 3 MB minimum.
- RAM: 640 KB minimum.
- A 1.2 MB 5.25 disk drive, or a 1.44 MB 3.5-inch disk drive.

Communications Controller:

- *ISA bus*
 - DS206-AA, EiconCard PC (EIA).
 - DS206-CA, 2-port EiconCard HSI (EIA).
- *MCA bus*
 - DS216-AA, EiconCard PC (MCA).
 - DS216-BA, EiconCard HSI (MCA).

Communications Controller Cables

- BC09U-10, Eicon PC RS232-C modem cable.
- BC09V-10, Eicon HSI V.24 modem cable.
- BC09W-10, Eicon HSI V.35 modem cable.
- BC09X-10, Eicon HSI X.21 modem cable.

SOFTWARE REQUIREMENTS

- MS-DOS® 3.3 or higher.

OPTIONAL SOFTWARE*Access for DOS (3270) (SPD 38.91.xx)*

Access for DOS (3270) is a terminal and printer emulation package for PCs running MS-DOS that provides complete 3270 host connectivity. It works in conjunction with any stand-alone or LAN Gateway.

Access for Windows (3270) (SPD 38.93.xx)

Access for Windows (3270) is a terminal and printer emulation package for Windows. It works in conjunction with any standalone or LAN Gateway.

Access for DOS (5250) (SPD 43.29.xx)

Access for DOS (5250) is a terminal emulation package for PCs running MS-DOS that provides complete 5250 host connectivity. It works in conjunction with any stand-alone or LAN Gateway.

Access for Windows (5250) (SPD 43.31.xx)

Access for Windows (5250) is a terminal emulation package for Windows that provides complete 5250 host connectivity. It works in conjunction with any standalone or LAN Gateway.

X.25 Network-Level Developer's Toolkit™ for DOS (SPD 38.96.xx)

The X.25 Network-Level Developer's Toolkit for DOS contains libraries of C functions for the development of user application programs under DOS to communicate with an X.25 network.

X.25 Network-Level Developer's Toolkit for Windows (SPD 39.79.xx)

The X.25 Network-Level Developer's Toolkit for Windows contains libraries of C functions for the development of user application programs under Windows to communicate with an X.25 network.

Table 1
Product Family

	DOS	WIN	OS/2	UNIX®
Gateways:				
OSI PC Gateway	X		X	X
OSI LAN Gateway	X		X	IP Router
SNA PC Gateway	X		X	
SNA LAN Gateway	X		X	
Emulations:				
Access VT220	X			
Access 3270	X	X	X	
Access 5250	X	X		
Toolkits:				
X.25 Devel. Toolkits	X	X	X	

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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- ™ The DIGITAL logo, Digital, and VT220 are trademarks of Digital Equipment Corporation.
- ™ Windows is a trademark of Microsoft Corporation.

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

5¼-inch and 3½-inch diskettes.

ORDERING INFORMATION

Software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-048AA-WW

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