# Software Product Description

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**PRODUCT NAME:   SNA PC Gateway for OS/2®, Version V2R2**                    **SPD 43.27.00**

## DESCRIPTION

SNA PC Gateway for OS/2 is Digital Distributed Software product from Eicon Technology Corporation. It is a PC communications software which works in conjunction with either the DS206-XX or the DS216-XX synchronous communications controller. It allows all suitably configured standalone PCs to be linked to local or remote SNA-host computers over SDLC or X.25/QLLC lines.

## Features

*X.25/QLLC, SDLC Support*

The SNA PC Gateway for OS/2 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 and X.121 (1980 and 1984).
- Supports X.21 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 OS/2 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 communicationc 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 support 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 LU pooling.

*IBM Control Unit Emulation*

The SNA PC Gateway for OS/2 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 Emulation Product Support*

The SNA PC Gateway for OS/2 supports the following Access product:

- Access for OS/2 (3270.)

## HARDWARE REQUIREMENTS

*Processors Supported:*

80386- or 80486-based Digital personal computers.

*Disk Space and Memory Requirements:*

- Disk size: 3 MB.
- 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

- IBM OS/2 Extended Edition, Version 1.1 or later,

or

- Microsoft® OS/2, Version 1.21.

## OPTIONAL SOFTWARE

*Access for OS/2 (3270)* (SPD 43.28.xx)

Access for OS/2 (3270) software is a terminal and printer emulation package for OS/2 that provides complete 3270 host connectivity. It works in conjunction with Eicon Technology SNA Gateway.

*X.25 Network-Level Developer's Toolkit for OS/2* (SPD 38.95.xx)

The X.25 Network-Level Developer's Toolkit for OS/2 contains libraries of C functions for the development of user application programs under OS/2 to communicate with an X.25 network.

**Product Family**

**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    |           |

## 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-047AA-WW

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