

# Software Product Description

PRODUCT NAME: Access for DOS (5250), Version R1.00

SPD 43.29.00

## DESCRIPTION

Access for DOS (5250) is a Digital Distributed Software product from Eicon Technology Corporation. With Access for DOS (5250), PC users can connect to IBM® AS/400 or System/3X computers by emulating 5250 display terminals and printers.

Access for DOS (5250) works in conjunction with the SNA PC Gateway for DOS (described in SPD 43.26.xx) or the SNA LAN Gateway for DOS & OS/2® software (described in SPD 38.78.xx).

## Features

### Emulations

- IBM 5250 display terminals and IBM 5256 printers.
- IBM APPC/PC support.

### Access Features

- Support for up to nine concurrent host sessions.
- Keyboard remapping to support any keyboard emulation.
- Scripting facilities to automate login and startup procedures.
- Modifiable translation tables for screen attributes, printer data, display data and keyboard language.
- Expanded memory support (LIM (Lotus® /Intel™ /Microsoft®) 3.2 and above).
- Concurrent background processing for both display and printer sessions.

### IBM 5250 Display Terminals and IBM 5256 Printers

Access 5250 terminal emulation offers all the standard features of IBM 5250 display terminals. Display sessions can be set up to emulate 5251 (models 11 and 12), 5291 (models 1 and 2), and 3180 model A (27 by 132 character mode). They also support 5292 color display (model 1).

Access printer emulation provides all the feature of an IBM 5256 or 5224 printer and most of the features of an IBM 5219 printer. Printer sessions enable the user to employ host-controlled print operations with emulations using either SNA character stream or 5250 data stream.

Note: Access 5219 Printer emulation does not include the following capabilities:

- Downloadable fonts.
- Graphics.

### IBM APPC/PC Support

Access for DOS (5250) provides the necessary support to run any application written to IBM's APPC/PC specification.

- Access can run in parallel with an APPC/PC application.

### Support for up to Nine Concurrent Host Sessions

- Access for DOS (5250) together with the SNA LAN Gateway or the SNA PC Gateway, supports up to nine concurrent Access for DOS sessions over SDLC or X.25/QLLC connections.
- Access for DOS (5250) supports links with up to four SNA LAN Gateways.

### Keyboard Remapping

- Access for DOS (5250) supports standard 86-key and enhanced 101/102-key keyboards.
- A utility (SCANCODE) is provided to help support nonstandard keyboard formats.
- Access function keys can be remapped to avoid conflicts with the terminal emulation in use.
- Standard 5250 terminal functions, as well as non-command (direct) mode functions, can be assigned to user-selected key combinations.
- Primary and alternate keyboards let the user assign the same 5250 terminal function to two different keys on the PC keyboard.

*Scripting Facilities to Automate Login and Startup Procedures*

The Access Autostart and Autolog features make scripts of all steps involved in starting Access and interacting with multiple hosts computers. Autostart scripts are invoked on the Access command line, whereas Autolog scripts are invoked during session startup.

*Translation Tables*

Translation tables allow Access to remap keyboard codes and display codes on a PC to make use of the special symbols and foreign characters available under PC ASCII, standard ASCII, or EBCDIC.

By customizing Access translation tables, the user can control the following:

- The ASCII character that is displayed on the screen for each host EBCDIC character.
- The character that is displayed on the screen for any key pressed on the keyboard.
- The mapping of 5250 screen attributes to the PC display.

*Expanded Memory Support (LIM 3.2 and above)*

The Access program supports LIM 3.2 and higher. If the workstation is equipped with memory that conforms to this specification, the Access program can offload a portion of itself onto EMS (expanded memory specification), saving the conventional memory below 640k.

*Concurrent Background Processing*

The background option allows several sessions to be active simultaneously. Users can carry out background printing operations while online with an entirely different host. The user can even switch to DOS and use applications such as spreadsheets and word processors without interrupting Access activities.

**HARDWARE REQUIREMENTS**

*Processors Supported:*

- 80386- or 80486-based Digital personal computers.
- An EGA or VGA card is required to support 27 by 132 display.

*Disk Space and Memory Requirements:*

- Disk size: 3 MB minimum.
- RAM: 640K minimum.
- A 1.2 MB 5¼-inch disk drive, or a 1.44 MB 3½-inch disk drive.

**SOFTWARE REQUIREMENTS**

*Standalone Environment:*

- MS-DOS® 3.1 or higher, installed and operational.
- SNA PC Gateway for DOS, Version V2R2 (see SPD 43.26.xx).

*LAN Environment:*

- MS-DOS 3.1 or higher, installed and operational.
- SNA LAN Gateway for DOS & OS/2, Version V2R2 (see SPD 38.78.xx).

**Product Family**

**Table 1  
Product Family**

	DOS	WIN	OS/2	UNIX®
<b>Gateways:</b>				
OSI PC Gateway	X		X	X
OSI LAN Gateway	X		X	IP Router
SNA PC Gateway	X		X	
SNA LAN Gateway	X		X	
<b>Emulations:</b>				
Access VT220	X			
Access 3270	X	X	X	
Access 5250	X	X		
<b>Toolkits:</b>				
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

- Single-user software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-049AA-WW
- 25-user pack software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-049AB-WW
- LAN-pack software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-049AC-WW

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