Software Product Description

PRODUCT NAME: Access for DOS™ (3270), Version R1.00   **SPD 38.91.00**

DESCRIPTION

Access for DOS (3270) is a Digital Distributed Software product from Eicon Technology Corporation. It is a terminal and printer emulation package for PCs running MS–DOS®. With Access for DOS (3270), PC users can connect to their corporate IBM® host and emulate multiple 3270 terminals and printers simultaneously.

Access for DOS (3270) works in conjunction with either the SNA PC Gateway for DOS software (described in SPD 43.26.xx) or the SNA LAN Gateway for DOS & OS/2® software (described in SPD 38.78.xx).

Access for DOS (3270) Software Features

*   IBM 3278 display emulation (models 2, 3, 4, and 5).

*   IBM 3279 color display emulation (models 2A, 2B, 3A, 3B, and Model S3G).

*   IBM 3287 printer emulation (LU 1 and LU 3).

*   IBM 3270-PC file transfer (IND$FILE) support.

*   PS/CICS transfer support for DISOSS.

*   Full extended attribute buffer (EAB) support.

*   Presentation Space API compatible with IBM Emulator High-Level Language Application Programming Interface (EHLLAPI), Entry Emulation High-Level Space API (EEHLLAPI), and Eicon Technology Access API.

*   Allows up to nine concurrent host sessions.

*   Keyboard remapping to support favorite keyboard emulation.

*   Scripting facilities to automate login and startup procedures.

*   Modifiable translation tables support.

*   Expanded memory support (LIM (Lotus®/ Intel™/ Microsoft® 3.2 and above).

*   Background file transfer and printing.

IBM 3278 Display Emulation

3270 display is available on host systems in a variety of screen models, which differ according to size, color, and extended attribute support.

The standard IBM 3270 monochrome display models are:

*   Model 2 (24 lines of 80 characters).

*   Model 3 (32 lines of 80 characters).

*   Model 4 (43 lines of 80 characters).

*   Model 5 (27 lines of 123 characters).

Access for DOS (3270) offers all the standard features of the IBM 3278 display terminal. Display sessions can be set up to emulate screen model types 2 through 5.

IBM 3279 Color Display Emulation

The IBM display system also includes the 3279 color display stations:

*   The 3279 S2A, a model 2 screen with a four-color display.

*   The 3279 S2B, same as the S2A, but with extended highlighting and extended color.

*   The 3279 S3A and S3B, same features as the S2A and S2B, but on a model 3-size screen.

*   The 3279 S3G which is a model 3 with extended highlights, extended color, and programmed symbol graphics.

Access for DOS (3270) supports IBM 3279 color display emulation for models S2A, S2B, S3A, S3B, and S3G.

IBM 3287 Printer Emulation

Access for DOS (3270) supports all the features of the IBM 3287 printer. Access supports 3287 host-controlled remote printing in either SNA character stream or 3270 data stream. Access also supports local screen capture to a file or printer without any intervention from the host.

IBM 3270-PC File Transfer

Access for DOS (3270) supports 3270 file transfer program (IND$FILE) with CICS, TSO, or VM hosts. Access provides PS/CICS transfer support for users connecting with IBM DISOSS.

PS/CICS Transfer Support for DISOSS

Access for DOS (3270) provides PS/CICS transfer support for users connecting with IBM DISOSS online application.

Full EAB Support

Access for DOS (3270) supports the following extended attributes.

- Extended color.
- Extended highlighting.
- Programmed symbols.

Extended attributes are sent by the host to control the appearance of the screen.

Presentation Space API Support

Access for DOS (3270) includes a program which provides an Access API interface through which third-party applications can perform sophisticated communications functions.

Access API functions support the full range of Access terminal emulation software: 3270, 5250, and VT100 /220.

For 3270 users, Access API also provides emulations of the IBM PC 3270 Emulation Program Presentation Space API (PS_API) and the IBM PC 3270 EEHLLAPI.

Supports up to Nine Concurrent Host Sessions

Access for DOS (3270) can connect and communicate with nine different hosts or with different applications on the same host simultaneously. All DOS functions are maintained, and the user can terminate a connection, switch between sessions, or "hot key" between Access and DOS at any time.

Keyboard Remapping Support

Access for DOS (3270) allows the remapping of almost all the keys on both standard and enhance 101 /102-key keyboards. Access includes primary and secondary keyboard remapping, which lets users assign the keystrokes in the layout they prefer.

Scripting Facilities

Access Autostart and Autolog features lets the user script commands and keystroke sequences to automate routine tasks such as host login sequences.

The Autostart option allows the user to automatically establish connections with a number of host computers. The Autolog option allows the user to log in to a specific host and perform routine tasks.

Modifiable Translation Tables Support

Translation tables are used to customize the keyboard, screen display, and printer output, as well as translate symbols during file transfer. This is especially useful if generating foreign language symbols or if the remote host uses a different EBCDIC character set than the Access default.

Expanded Memory Support (LIM 3.2 and above)

Access for DOS (3270) 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 into an expanded memory specification, saving the conventional memory below 640K.

Background File Transfer and Printing

The backgroung option lets the user:

- Have several sessions active at the same time.
- Send and receive files in background sessions while online with an entirely different host.
- Carry out background printing operations.
- Switch to DOS and use DOS applications without interrupting Access activities.

HARDWARE REQUIREMENTS

Processors Supported:

80286- or 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.

SOFTWARE REQUIREMENTS

Standalone Environment

MS–DOS® 3.3 or higher.

SNA PC Gateway for DOS, Version V2R2 (see SPD 43.26.xx).

LAN Environment

MS–DOS 3.3 or higher.

SNA LAN Gateway for DOS & OS/2, Version V2R2 (SPD 38.78.xx).

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

Single-user software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-MJUAA-WW

25-user pack software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-MJUAB-WW

LAN-pack software license, documentation, and media (5¼-inch and 3½-inch diskettes): QB-MJUAC-WW

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