

# AIX Access for DOS Users

## Product Description

IBM AIX Access for DOS Users (AADU) is a LAN software product that connects DOS PCs by using AIX systems as network servers, allowing DOS users to share applications, data and printers, even in multivendor networks. Users access shared resources in the environment they understand best: DOS. They see a common shared DOS file system—unaware of the presence of a network or an AIX-based server. Unlike conventional Local Area Network servers, AADU enables AIX hosts to accommodate a virtually unlimited number of personal computers.

With AADU, you can use DOS or AIX commands to access any file on an AIX host, regardless of the file's origin, making it effortless to share data stored on AIX-based hosts with both DOS and AIX users. Because data is centralized, you optimize storage efficiency and information flow.

AADU includes an enhanced terminal emulator enabling you to run multiuser, multitasking AIX/UNIX applications directly from your personal computer. You eliminate the cost of additional terminals and increase the power available to your PC.

AADU has built-in National Language Support (NLS) for use in international installations. User messages are readily translatable into local languages, and include extensive support for converting files between different international standards.

AADU preserves your investment in PC hardware and software because it supports all DOS PCs, PS/2s and versions of DOS from 3.1-4.01.

## Product Highlights

AADU is based upon Locus Computing Corporation's PC-Interface, the de facto industry standard for integrating DOS PCs and UNIX systems.

### Transparent File and Resource Sharing

Remote resources appear the same as they do on the user's local PC.

### Standard DOS Commands

AADU is simple to use; no new commands or user interface are necessary.

### Low PC Memory Requirements

AADU DOS software uses as little as 50 KB RAM on your PC—less DOS memory than any other competing product.

### National Language Support (NLS) Facilities

All files can be easily translated into the users' native language (even multiple languages can be used on a single network).

### Easy Administration

Provides the simplest network administration of any DOS networking product on the market.

### Supports All DOS PCs, PS/2s and Versions of DOS 3.X-4.X

Protects current investment in hardware and software. This broad DOS system support ensures that you will be able to use virtually any current or future DOS systems with AIX.

### DOS/AIX Integration

Allows the DOS/AIX user to work in and access files from both environments from their DOS-based PC or PS/2.

### Non-dedicated AIX Server

Allows existing AIX/UNIX systems to be employed as DOS network servers.

### Concurrent Multiple AIX Host Systems Support

AADU allows DOS PC users to network to multiple AIX/UNIX systems concurrently, with each AIX/UNIX system acting as a separate DOS drive.

### Ethernet, IBM Token-Ring and RS-232 Connection Support

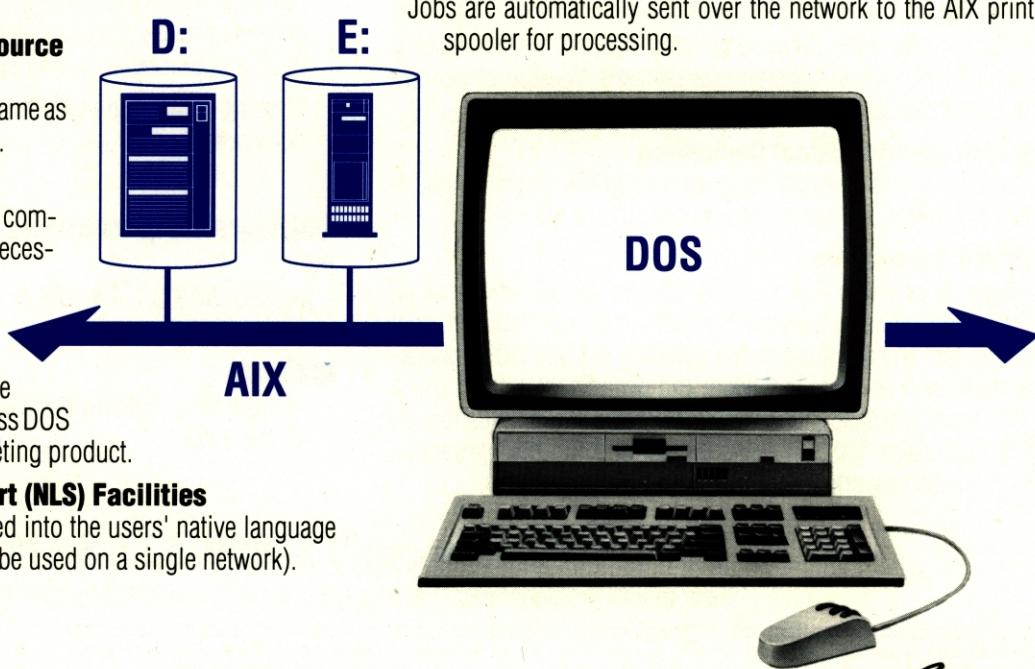
You can connect your DOS PCs over high-speed LAN connections for high performance or over serial lines for an economical solution. AADU supports a wide variety of popular Ethernet cards, third party networking packages, and concurrently supports both the COM:1 and COM:2 serial ports.

### Integrated DOS AIX file system and security

Ensures data integrity for both DOS and AIX users (includes record-locking and AIX file permission mode support).

### Transparent print spooling

AADU allows DOS PC users to access and share AIX printers. Jobs are automatically sent over the network to the AIX print spooler for processing.



### **NFS Interoperability**

PCs see NFS-mounted volumes on the AIX server as standard DOS files.

### **Includes all software necessary to use the network**

Nothing extra to purchase, install or integrate.

### **Consistent across all supported AIX platforms**

Supports integration of DOS with a wide range of hardware environments.

### **Supports Locus' Application Programming Interface (PCILIB)**

Enables creation of distributed DOS-AIX applications.

### **Full compatibility with Locus family of products**

Integrates access to DOS-AIX applications.

### **VT220/VT100 terminal emulation**

Run AIX applications directly from PCs.

### **ON utilities**

Run AIX processes directly from the DOS command line.

### **DOS-AIX file conversion**

Ensures complete data access by converting files between DOS and AIX formats.

### **DOS-AIX file name mapping**

Long (or mixed case) AIX file names are automatically mapped to valid DOS names.

## **Applications**

### **Workgroup connectivity**

You can easily connect personal computers to departmental AIX systems to provide a unified connectivity solution. All users share individual and departmental resources and data.

### **Distributed Database Solutions**

You can develop distributed database applications for use with AADU. These applications seamlessly integrate the multitasking capabilities of the AIX operating system with the ease-of-use and presentation capabilities of DOS.

### **Distributed Technical Computing**

You can network personal computers to an AIX system functioning as a CAD/CAM server and central storage area.

### **Office Automation**

Single or multiple AIX systems can act as the center of an integrated office automation system. You can link personal computers and terminals to run common AIX and DOS applications as well as share individual and departmental data. Use a DOS word processor, for example, for document preparation, an AIX application for centralized billing, and run both programs from the same workstation.

## **Technical Specifications**

AADU is a DOS Bridge resident in the personal computer that works in conjunction with the DOS Server component included with the AIX operating system.

## **Hardware Requirements**

### **PC**

- IBM PC, PS/2 or 100% compatible
- Minimum of 384 KB RAM
- Minimum of one 5.25" 360 KB floppy or one 3.5" 720 KB microfloppy
- COM1: and/or COM2: serial port for RS-232 operation
- Modem for remote operation
- EGA/VGA monitor is required for full NLS support
- The following network interface options are supported:

### **AT Bus:**

3Com Etherlink (3C501)  
3Com Etherlink II (3C503)  
3Com Etherlink II+ (3C505)  
Digital Equipment DEPCA  
IBM 4 & 4/16 Token-Ring ISA  
Intel PC586  
Ungermann-Bass NIC ISA  
Western Digital 8003  
Western Digital 8013  
XIRCOM Ethernet

### **MicroChannel Bus:**

3Com Etherlink/MC (3C523)  
IBM 4 & 4/16 Token-Ring  
Ungermann-Bass NIC  
Western Digital 8023/MC

### **Network Interface Options**

FTP Software PC/TCP  
Locus TCP/IP for DOS  
Novell EXCELAN  
IBM PC LAN  
Ungermann-Bass Net One

### **AIX host**

- AADU can be ported to any hardware environment that supports the software requirements listed below. AADU has been ported to a variety of hardware systems including Intel, Motorola, RISC and proprietary based systems.
- Ethernet, Token-Ring LAN and/or RS-232 serial communications ports.

## **Software Requirements**

### **PC**

- MS/PC-DOS 3.1-4.X (3.3 or above is required for full NLS support)

### **AIX host**

- AIX operating system with the DOS Server component installed on the host

**For Information, call 1-800-522-8638**

Refer to IBM programming announcements for IBM supported functions.