

# WinDD™ Software: Multiplatform Access to Windows Applications

The capabilities of a PC with the low cost of ownership of a thin client device



- Access Windows applications from a network computer, UNIX workstation, PC, laptop, X device, or Macintosh
- Pentium performance and full Windows 95, Windows NT, and Windows 3.1 functionality to the desktop
- Open architecture: Microsoft, X, TCP/IP, ICA
- Seamless desktop for UNIX environments: Read Windows documents as mail attachments, and launch Windows, UNIX, and WinDD applications from a common window or menu
- Full cut, copy, and paste (PC to/from X) of text and graphics
- Centralized administration of NT user accounts through NIS
- NFS client and server
- Peripheral support for devices such as smart card readers
- Window resizing
- Web browser Navio plug-in
- First ICA thin client with multimedia capability (audio WAV files)
- Process Control Manager

## Multiplatform Access to PC Applications

WinDD™ software provides multiple users working on network computers, UNIX workstations, X11 devices, PCs, laptops, or Macs with direct, simultaneous open systems access to PC applications running on a network server. WinDD software delivers seamless access to Windows 95, Windows NT, and Windows 3.1 applications. WinDD provides native PC performance with low network impact and with CPU-related tasks executed at native Pentium processor speeds.

## Enhanced PC Functionality

WinDD software enables users to utilize the productivity tools they need while working from a variety of platforms.

Users can create custom Windows applications and embed them in Web pages with Navio and Netscape plug-ins for network computers and workstations, respectively. Graphics and text data can be transferred between PC and X windows with the WinDD cut, copy, and paste feature.

A seamless desktop environment is created by the WinDD Desktop Integration feature. Users can read Windows documents as mail attachments and launch UNIX and Windows applications from common windows.

PC application features include resizable multiple screen resolutions, and local floppy support. UNIX features include NIS, NFS, window resizing, plug-in

support, and support for local floppy on Sun, HP, SGI, and IBM workstations.

## The Tektronix Advantage

Only Tektronix can supply system administrators with centralized tools as well as the choice of the ICA and X datastreams, to all popular displays, in order to balance TCP/IP network loads.

WinDD software provides the ultimate open systems desktop solution for your organization, with industry-leading performance and true PC functionality.

---

## WinDD Application Server

The WinDD Application Server is based on Microsoft Windows NT Server 3.51/Citrix WinFrame 1.7. The software can be loaded on Intel Pentium and Pentium Pro based servers with access to TCP/IP Ethernet LANs and PC LANs such as Novell, Banyan, and PPP serial. Network computers and UNIX workstations are supported as distributed Windows desktops using TCP/IP over Ethernet or Token-Ring.

WinDD manages the PC Windows as viewed on the display and passes only compressed updated display information in a high level Windows GDI to the WinDD desktop client. Keyboard and mouse events are passed back to the WinDD server by the local client for processing, thereby enabling the Windows session to appear on an NC or UNIX workstation with full Windows functionality.

WinDD enables shrink-wrapped applications to run without modification, ensuring that suppliers' warranties and support remain in effect.

### Features

- Multiple simultaneous users and log-ons
- Runs Windows 95, Windows NT, Windows 3.1, DOS, and OS/2 character mode applications
- Sessions can be suspended, then re-connected and continued later
- Application launching and embedding feature which enables users to embed standard Windows applications in a Web page
- Citrix WinFrame standard security features
- License pooling and remote license installation
- Session shadowing for training or diagnostics

### Hardware Requirements

- Intel Pentium and Pentium Pro processor
- 32 MB RAM minimum supports four users. Add 4 MB RAM for each additional concurrent user or 8 MB RAM for each concurrent power user
- 200 MB disk minimum; additional space as needed for applications and user data files
- CD ROM drive
- 3.5" high density diskette drive

### Product Licensing

- One copy of WinDD server software required for each server
- Includes 5 or 15 concurrent user licenses
- Additional concurrent user licenses are available for installation on the server

---

## WinDD Features

WinDD offers the choice of X or ICA network datastreams. Desktop reconfiguration is not necessary because WinDD accepts the ICA datastream over a variety of network protocols supported by the WinDD server including TCP/IP, NetBIOS, or IPX. Desktop PCs and Macs can also display the applications from the WinDD server. WinDD supports resizable screen resolutions.

### Features

- Local floppy disk support for UNIX workstations and Network Computers

- Desktop Integration (DI) integrates WinDD and Windows apps with CDE, TED, HPVue, OW, MWM, and IMD, and provides support for reading Windows documents as mail attachments
- Up to 256-color Windows desktop support, providing a full palette of 16.7 million dithered colors
- Support for any X11 device through X
- COM port support for peripheral devices
- WinDD server support for audio WAV files

- Cut, copy, and paste text and graphics between PC and X Windows applications
- UNIX ICA thin clients which enable window resizing and Web browser plug-ins
- Process control manager to monitor resource utilization levels
- Tektronix NC200 ICA thin clients support Web plug-ins, mail attachments, COM port, and audio WAV files

---

## WinDD Optional Features

### WinDD NIS

Creates a single, synchronized password database for both UNIX and Windows NT servers. The option includes support for Windows NT Workstations, password aging, trusted domains, and optional account creation. Works with any Microsoft Windows NT Server 3.51 and 4.0.

### Server Load Balancing

Maximizes the performance to users by first grouping servers, and then connecting users to the least loaded server in the group.

### WinDD NFS

Provides NFS server and client functionality to the WinDD server, allowing file sharing with UNIX systems. In Windows applications, WinDD users can transparently save and recall files located on UNIX directories.

### WinDD File Server Extension

Adds support for PC file and print services from desktop PCs, RAS support, and provides Windows Domain Controller functionality.

### WinDD for Workstations

**WinDD is compatible with the following workstation operating systems:**

SPARC – SunOS 4.1.3, Solaris 2.3; IBM RS/6000 AIX version 3.2; HP – 9000/700 Series HP-UX 9.x; DEC Alpha APX OSF/1 version 3.2; SGI – IRIX 4.05; SCO Open Server Release 5

### Secure ICA Encryption

This option, available for PC clients only, replaces ICA's base scrambling algorithm with RSA's RC5 for increased security.

### Annual Maintenance Program

Tektronix offers a comprehensive annual maintenance program for WinDD. This program ensures that users will receive all product updates released by Tektronix, including major new releases at an annual price based on their WinDD configuration.

### Technical Support

Tektronix offers a wide range of support programs based on customer needs, from product installation through annual programs for all WinDD servers installed in a site.

### Please contact Tektronix, Inc. for further product and service information:

Video and Networking Division  
P.O. Box 500, MS 58-965  
Beaverton, Oregon 97077-0001 USA

Phone: (800) 547-8949  
USA fax: (503) 627-7275  
Europe fax: 33 (1) 69 07 0937  
Asia fax: (852) 2802 2996  
URL: <http://www.tek.com/VND>



Copyright © 1997, Tektronix, Inc. All rights reserved. Printed in U.S.A. WinDD is a registered trademark of Tektronix Inc. Microsoft is a registered trademark and Windows NT and the Windows NT Logo are trademarks of Microsoft Corporation. All other trade names used are the properties of their respective companies.