NCD ThinPATH™ Plus

> **Desktop Support for Microsoft Windows 2000 Server and Microsoft Windows NT Server 4.0, Terminal Server Edition applications**

NCD ThinPATH Plus enhances Microsoft's RDP to support local printers, peripheral devices and Windows audio.

Highlights

- Support for Microsoft Windows Terminal Server Edition and Windows 2000

- For PCs and NCD ThinSTAR Windows-based Terminals

- Enhances Microsoft Terminal Server Edition deployments and the Remote Desktop Protocol (RDP)

- Provides support for local parallel and serial attached printers and peripheral devices

- Delivers Windows audio input and output

- Concurrent user licenses

- Automatically allows access to local files from the server

NCD Thin**PATH**
Software™

Enhances Microsoft's RDP for PCs and NCD ThinSTAR Windows-based Terminals

As organizations deploy Microsoft® Windows® 2000 Server and Microsoft Windows NT Server 4.0, Terminal Server Edition (TSE) and server-based applications to thin client and PC desktops, the need to support local printers, peripheral devices and audio at the desktop grows significantly. NCD ThinPATH Plus software enhances Microsoft's Remote Desktop Protocol (RDP), the native communications language included in Terminal Server Edition, to solve this customer need. Using RDP eliminates the need to add an additional protocol layer to a Terminal Server Edition deployment. The net result is a simpler, more cost-effective solution. In addition, NCD ThinPATH Plus supports both PCs and NCD ThinSTAR Windows-based Terminals to provide a unified solution and a way to extend the life of installed PC resources.

Desktop Support for Most Requested Functionality

NCD ThinPATH Plus enhances the RDP protocol to provide support for devices to be connected locally through parallel and serial ports on a PC or NCD ThinSTAR Windows-based Terminal, as well as Windows audio input/output.

Desktop Peripherals

NCD ThinPATH Plus enables the deployment of server-based applications and transparent support for a variety of serial or parallel desktop peripherals that may be used for input or output of data. This functionality is transparent to the application and the multi-user NT operating system on the server. Supported local parallel and serial devices include printers and bi-directional serial devices (up to 57.6K baud) such as Palm Pilots, check scanners, bar code and credit card readers. NCD ThinPATH Plus also supports shared printers and peripherals to maximize flexibility and resources.

Easy Access to Local Files from Server"

Another feature of the product allows users to run server applications that can access the data files stored on their desktop device. All NCD ThinSTAR terminals support an optional 1.4MB floppy disk drive. PC desktop users have complete access to any of their file systems, including both removable and fixed media. The server administrator can enforce policies on device access, for example to allow data to be read from a floppy but not from a hard disk. Additional security rules can be defined based on the user or their NT group. This type of policy can be used to allow specific users to access the floppy drive on the NCD ThinSTAR but not others; computer labs could restrict students access but allow instructors. Security can be limited to a specific desktop; for example, PC desktops could be used to access server-based applications to a controlled station and other PCs could act in a "kiosk" mode for customers to retrieve information without the possibility of customers loading their own software or viruses.

Industry Applications

NCD ThinPATH Plus can be used to support a variety of industry specific applications with specialized serial and parallel devices. Examples include: bar code readers, credit card readers and check scanners for point-of-sale retail applications; dictation devices, smart card readers and light pens for point-of-care applications in the healthcare industry; and fingerprint recognition devices for security applications in the banking and airline industries.

The NCD ThinPATH Software Family

NCD ThinPATH Plus is a member of the NCD ThinPATH Software family. NCD ThinPATH Software provides enhanced functionality and flexibility for Microsoft Windows 2000 Server and Microsoft Windows NT Server 4.0, Terminal Server Edition from PCs and NCD ThinSTAR Windows-based Terminals. The NCD ThinPATH Software family is comprised of Management, Desktop Support, and Emulation modules. NCD ThinPATH Software offers a robust, low-cost Terminal Server solution. NCD ThinPATH Software is predicated on NCD's decade of experience in meeting customer needs with industry-leading hardware and software technology. A good deal of our success is the result of of close working relationships with companies like Citrix®, IBM®, Intel®, and Microsoft®.

World-class technical support

NCD and NCD Technology Certified Resellers provide over a decade of experience in thin client computing. Backed by formal service agreements with Microsoft and Citrix, a wide range of services that cover the entire thin client environment are available.

Management
- NCD ThinPATH Manager
- NCD ThinPATH Desktop Mirror

Desktop Support
- **NCD ThinPATH Plus**
- NCD ThinPATH Load Balancing

Emulation
- NCD ThinPATH Connect
- NCD ThinPATH X Windows
- NCD ThinPATH Xware

NCD ThinPATH™ Plus

Technical Specifications

Features

- Flexible mapping of server port to desktop device
- Supports both parallel and serial ports on local device (PC or NCD ThinSTAR Windows-based Terminal)
- Support for RS-232 serial peripherals
- Support to attach local printers through serial or parallel ports
- Allows port mappings to follow end-user to different desktop or to bind a serial port to a specific desktop
- Enables a local printer to become a shared network printer; virtual and physical support
- An end-user session in not required on the desktop to operate
- Support for bi-directional serial transfers
- Supports up to 57.6K baud
- Complete serial flow control support
- Support for an unlimited number of server ports
- Full Windows audio input and output
- Active network monitoring to reduce traffic
- Supports exporting of PC desktop files to mulit user server sessions
- Security prevents unauthroized network file access
- Supports MicroSolutions 1.4 MB floppy disk drive attached to ThinSTAR (www.micro-solutions.com)

Server based security:

- Device type (Removable, Fixed)
- Acess (Read Only, Read/Write, Denied)
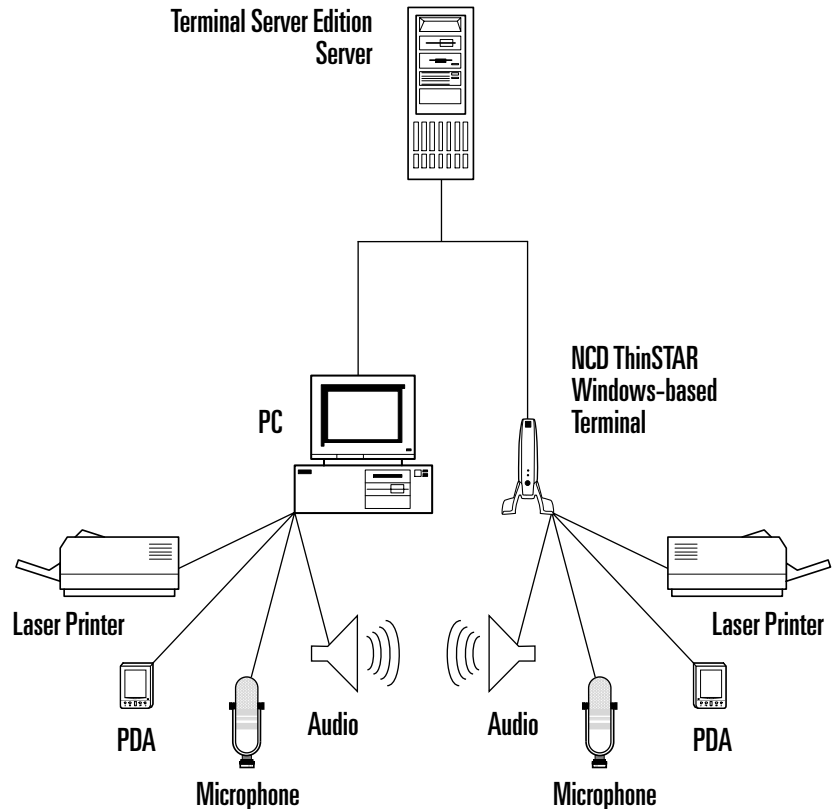- User name
- NT Group

Requirements

Server

- Server with Microsoft Windows 2000 Server or Microsoft Windows NT Server 4.0, Terminal Server Edition, Windows 2000 and Citrix MetaFrame
- NCD ThinPATH Plus software installed on the server

Desktop

- PCs utilizing Windows 2000 Professional, Windows NT 4.0 Workstation, Windows 98, or Windows 95
- NCD ThinSTAR 200/232 Windows-based Terminal
- NCD ThinSTAR 300 Windows-based Terminal
- NCD ThinSTAR 400/450 Windows-based Terminal

Terminal Server Edition Server

NCD ThinSTAR Windows-based Terminal

PC

Laser Printer

Laser Printer

PDA

Audio

Audio

PDA

Microphone

Microphone

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