

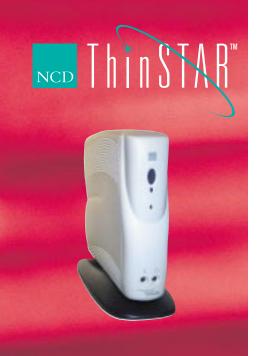
# NCD Thin STAR™ 232 Windows-based Terminal

Easy-to-manage network access to Windows applications with industry-leading price-to-performance ratio

NCD ThinSTAR 232 is a
Windows-based Terminal with
the performance and
quality you expect from NCD at
a value price point ideal for
task-based user deployments.

# **Highlights**

- Highly manageable, leveraging Intel Wired for Management design criteria (Wake-on-LAN)
- Lowest cost-of-ownership desktop for accessing Windows applications
- 8 MB Flash, 32 MB RAM
- High-speed Ethernet connectivity (10/100BaseT)
- Supports 64k colors
- Flexible support for both Microsoft Remote Desktop Protocol (RDP) and Citrix Independent Computing Architecture (ICA)
- Optional NCD ThinPATH Software enhances management and desktop functionality
- Local audio input and output



### **Superior Price-to-Performance Ratio**

The NCD ThinSTAR 232 Windows-based Terminal (WBT) gives Information Technology (IT) managers the ability to deploy high performance desktop devices to task-based users while controlling IT costs and easing management headaches. The NCD ThinSTAR 232 provides managed access to mission-critical applications with a low overall cost of ownership.

NCD ThinSTAR 232 not only offers a lower acquisition cost up front, but also continues to deliver cost savings through ongoing management and maintenance of the deployment. Since all application software and hardware upgrades take place on the servers, IT departments save on administrative and upgrade costs. And when combined with NCD ThinPATH Software, the NCD ThinSTAR 232 provides centralized manageability as well as local audio input and output, and a wide range of local peripheral connectivity options. For those with Citrix ICA environments, the same robust support is provided.

### **Simple Plug-and-Play Installation**

NCD ThinSTAR 232 is easy to install, use and manage. Installation simply requires plugging the terminal into the network. Even the local network address can be automatically assigned. Users are up and running quickly using a technology that fits seamlessly into a company's current IT infrastructure.

### **NCD ThinPATH Software Adds Value**

NCD ThinPATH is a family of software that enhances the functionality and flexibility of NCD ThinSTAR Windows-based Terminals or PCs accessing Microsoft Terminal Server via the RDP and ICA protocols.

NCD ThinPATH Software combined with the NCD ThinSTAR 232 provides powerful centralized management, desktop functional enhancements and access to virtually any legacy host.

# **Local Audio Input and Output**

Microsoft applications requiring audible alerts or sounds, or even desktop microphones, are supported on the NCD ThinSTAR 232. Audio sounds generated from Windows applications are transparently transferred over the network to the desktop without any application changes.

# Simple, Advanced Design for Superior Reliability

NCD ThinSTAR 232 includes a high-speed CPU and advanced graphics and I/O processors. With no moving parts, reliability equals a Mean-Time-Between-Failure (MTBF) rate at over 300,000 hours-the equivalent of only one system outage every forty years. And with the elimination of local storage, enterprise business applications will not be adversely affected by individual users installing applications, configurations or viruses.

### **World Class Technical Support**

NCD and NCD Diamond Partners provide a decade of experience in thin client computing. Backed by formal service level agreements with Microsoft and Citrix, you can choose from a wide range of services that cover the entire thin client environment.

# **NCD - The Thin Client Experts**

NCD ThinSTAR 232 takes advantage of NCD's 12 years of experience in simplifying access to network-based information and applications. Our award-winning hardware and software combined with NCD's relationship with companies like Intel, Microsoft, and Citrix together provide the most flexible thin client solutions.



# NCD ThinSTAR™ 232 Windows-based Terminal

## **Technical Specifications**

Hardware

CPU: 166MHz Intel Pentium w/MMX

32MB SDRAM RAM Memory: Flash Memory: 8MB Graphics Subsystem: Integrated Video Memory: 2MB UMA

16-bit stereo output and internal speaker Audio:

8-bit input

10/100BaseT auto-sensing Ethernet Networkina: Modem: connectivity via built-in serial port

Software

Operating System: Microsoft Windows CE Transport Protocols: TCP/IP. PPP. RAS Display Protocols: Microsoft RDP, Citrix ICA

· Setup Wizard for easy configuration Key Features:

. Built-in PPP dialer support for RDP and ICA

SNMP Agent

· Terminal Properties Security • Mouse Speed Control Software Volume Control

· Ping Utility

### **Terminal Update Utility**

NCD ThinSTAR Operating Software (one per enterprise required)

Display

Resolution Support: Up to 1600x1200 @8-bit color

1024x768 @16-bit color

Refresh Rate: Up to 85Hz, DDC2 monitor support

**Peripheral Ports** 

Serial port: DB-9 RS232C port, up to 115.2K baud

Parallel port: 1 DB-25 bi-directional Centronics-compatible

Enhanced Parallel Port (EPP) IEEE 1284

compliant

Mouse: 2-Button Mouse PS/2 style Keyboard:

PS/2 Windows-95 104 keyboards

• English (US)

• English (UK)

· English (Canadian)

• French (Standard)

• French (Belgian)

• French (Swiss)

· German (Standard)

· German (Swiss)

• Italian (Standard)

Japanese (Kana)

Norwegian

• Spanish (Latin American)

Swedish (Finnish)

### **Physical Characteristics**

Dimensions

Width (body): 2.4" (55mm) Width (stand): 4.5" (115mm) Depth: 11.2" (281mm) Height: 9.5" (240mm) Weight: 2.95 lbs (1.3kg)

Environmental

5°C to 40°C Temperature:

10% to 90% non-condensing Humidity:

Altitude: Up to 10,000 ft.

Power: 29 watts maximum input power

### **NCD ThinPATH Software**

NCD ThinSTAR 232 supports:

• NCD ThinPATH Manager - enables remote configuration and

administration from central location.

•NCD ThinPATH Desktop Mirror - remotely mirrors an entire thin client

desktop over TCP/IP network.

•NCD ThinPATH Plus - enhances Microsoft's RDP to support local

printers, peripheral devices and Windows audio.

•NCD ThinPATH TeemTalk - suppots a range of local emulators giving you access to almost any legacy system.

### **Server Operating System Support**

Microsoft Windows 2000 Server

• Microsoft Windows NT Server 4.0, Terminal Server Edition

Citrix MetaFrame™ thin-client/server software

Citrix WinFrame™ thin-client/server software 1.6 or above

### **Regulatory Compliance**

**Energy Star** FCC-B UL

CSA

CE compliant TUV/GS

VCCI C-Tick

### Warranty

36 month system warranty return to factory

All specifications are subject to change







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