NCD ThinSTAR™ 332 Windows-based terminal

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

NCD ThinSTAR 332 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

- Centrally manageable with instant on and wake-on-LAN capability
- 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 332 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 332 provides managed access to mission-critical applications with a low overall cost of ownership.

NCD ThinSTAR 332 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 332 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 332 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 332 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 332. 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 332 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. NCD and NCD Diamond Partners provide over a decade of experience in thin client computing. As a company, NCD is committed to maintaining an expert support staff that is trained and certified on all current product technologies incuding Microsoft Windows Terminal Services and Citrix ICA.

NCD - The Thin Client Experts

NCD ThinSTAR 332 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 Microsoft, and Citrix together provide the most flexible thin client solutions.

NCD ThinSTAR™

Technical Specifications

Hardware

CPU:	300MHz National Semiconductor GX-1
RAM Memory:	32MB SDRAM
Flash Memory:	8MB
Graphics Subsystem:	Integrated
Video Memory:	4MB UMA
Audio:	16-bit stereo output and internal speaker
	8-bit input
Networking:	10/100BaseT auto-sensing Ethernet
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
Key Features:	• Setup Wizard for easy configuration
	• 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 1280x1024 @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

- Danish (Standard)
- 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

Temperature:	5°C to 40°C
Humidity:	10% to 90% non-condensing
Altitude:	Up to 10,000 ft.
Power:	29 watts maximum input power

NCD ThinPATH Software

NCD ThinSTAR 332 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 *teem*talk - 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