

\$399

"The most cost-effective
Windows®CE-Based Terminal in the world"

The



Windows-based Terminal

The NutShell's reduction of costs

The "NutShell" is the thin-client terminal, which truly addresses business' need to reduce the total cost of ownership (TCO). Its hardware was specially designed to maintain long-life and reliability. By using the highest quality hardware, the NutShell ensures minimal maintenance for your information system administrator. The NutShell's simple-to-use GUI setup and configuration software will have the unit up and running within minutes. Remote manageability is another feature designed to reduce your TCO. By being able to remotely update the terminals' operation system and dictate what servers the terminals should connect to with TCOSoft's remote management software, valuable labor and time will be saved.

The NutShell is today's solution for tomorrow's technology

Its limitless design works with Windows® NT 4 Terminal Server, yet it was built for Windows® 2000 (NT 5) and beyond. Since the NutShell incorporates many PC standards, it can use generic hardware to enhance and expand it to future technologies.

The NutShell's forward-looking design incorporates 2 USB ports to make it even simpler to add new peripherals like smart card readers and external floppy drives. For the more complex upgrades where the technology does not currently exist, we have included a PCI/ISA expansion slot. Meanwhile, the expansion slot can be put to good use today with ADSL modems, token ring adapters, ATM adapters, and other specialized cards. While many networks are still at 10MB per second, the NutShell can already utilize the faster networks by incorporating its 100BaseT connectivity (RJ45). The modular design uses a high-end graphics chip that does not limit your options when it comes to choosing a display. You can choose from a LCD flat panel to the best 21" CRT display and still be visibly pleased. The NutShell even has a TV

"The NutShell provides seamless integration to Winframe®, Metaframe®, Windows® NT 4, & Windows® 2000 (NT 5) multi-user products."

video-out feature standard for a television.

As to the Software, the NutShell comes pre-loaded with Microsoft's Windows®CE as the core operating system. Furthermore, the NutShell incorporates the Citrix® ICA client and the Microsoft® Remote Display Protocol (RDP) client. Optional low-cost terminal emulation software is available to connect it to legacy systems. The legacy Unix systems can vary from TN3270 and TN5250 to VT420 and anything in-between depending upon your needs. Additionally, we have included TCOSoft's remote management software which can remotely update the terminal's software and configure the terminal settings via SNMP standards. Moreover, all software can be customized and updated at a later date because of the reprogrammable and remotely upgradeable flash disk.

All in a NutShell

Although the NutShell starts at a low price of \$399, it does not forego any features. Expected features would be its 16 megabytes of DRAM, fast 233 processor, color graphics display, 2 megabits of BIOS Rom, 8 megabytes of DiskOnChip® flash, audio, PCI/ISA expansion slot, built-in 10/100BaseT network, 2 USB ports, serial port, printer port, hard drive interface, and a PS/2 mouse and keyboard. In addition to its special features like TV-out and 16-bit surround sound, it has power management, thermal sensor controls, MMX functionality, infrared support, and more. The NutShell has all the requirements of today's fully functional Windows-based terminal, while still being prepared for the next generation.

Our hardware is of the highest quality, as a result we provide a comprehensive 5-year limited warranty to further minimize the TCO. Our warranty allows you to simply swap out a faulty terminal for an immediate replacement.

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Key highlights:

Most cost-effective Windows®CE terminal in the market

One of the best limited-warranties in the industry, covering it for 5 years.

Possibilities for expansion are limitless

Ability to remotely configure via SNMP and update terminal with TCOSoft's Thin-Client Director 1.1

Low Total Cost of Ownership (TCO)

Simple and easy installation

Multiple session/protocol support

Reliably robust and silently sleek

Supports accessibility to legacy systems



Products Specifications:

Processor

233 Cyrix MediaGX processor

Base Memory

16 MB SDRAM
(expandable to 256 MB)
2 MB PnP ROM BIOS
1 MB Video RAM
8 MB flash DiskOnChip
(expandable to 144 MB)

Video/TV Display

VGA/SVGA Compatible
& NTSC/Pal TV Output
Simultaneously
Resolutions:
-1024x768 @
16 or 256 colors
-800x600 @
256, 65k, or 16 million colors
-640x480 @
16, 256, 65k, or 16 million
colors
15 pin VGA, S-video, & Video
connector

Network

Intel 10/100BaseT Ethernet
Integrated RJ-45 Connector
TCP/IP with DNS, DHCP
RDP over TCP/IP
ICA over TCP/IP
Point-to-Point Protocol (PPP)
Support for 10Base2, Token
Ring, Cable Modems,
ADSL, & Serial Modems
Breezecom Wireless Support
Wake-On-Lan support

Communications

1 IEEE 1284 bi-directional
parallel (printer) port
- DB-25 female Connector
- Centronics Compatible
16550 UART Compatible
Serial port(s)
- RS-232/DB9 male connector
2 USB Ports
1 PS/2 Mouse connector
1 PS/2 Keyboard connector
1 Infrared (IR) connector

Audio

16-bit stereo surround sound
Line-in/Microphone connector
Speaker connector

Operation System & Software

- Microsoft Windows® CE
- Microsoft RDP® client
- Citrix ICA® client

Bundled free:

- TCOSoft Remote Lite
Management Software 1.1
(SNMP Configurations &
Remote upgrades)

Optional:

- Terminal Emulation for Host
& Unix connectivity

Server Support:

- Microsoft Windows® NT 4
Terminal Server (Hydra)
- Microsoft Windows 2000®
with Terminal services
- Citrix MetaFrame® (Picasso)
- Citrix Winframe®
- Other ICA servers
- Unix Systems

Keyboard & Mouse

Black PS/2 mouse
Black low profile keyboard
Windows 98 keys
US 104 key layout
Optional:
- International 105 key layouts

Expansion & Add-on Features

32-bit PCI/16-bit ISA Slot
Hard drive support
Floppy drive support
Smart Card support
CPU thermal sensor
Power-management Support
Year 2000 Compliant

Certifications

CE/CSE mark
FCC Class B
UL 1950
Energy Star Compliant

Dimensions

Height: 6 cm (2.35 in)
Width: 34 cm (13.4 in)
Depth: 27 cm (10.6 in)

Power

30 Watt maximum

Warranty

5-year limited warranty

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