NCD Explora 400

Thin Client Devices for Affordable, High-Performance Applications Access

The Explora 400 Series provides easy, reliable and secure access to Windows, UNIX, and legacy applications over enterprise networks.

Highlights

- Plug-and-play access to Windows, UNIX, and legacy network environments
- Windows and X-terminal functionality to leverage shared network-based resources
- Reduced cost of ownership
- Easy to manage, upgrade, and scale
- Centralized system administration for unsurpassed security and enhanced reliability
- Two base design options
- Fully compliant with the NC-1 Reference Profile
- Silent operation

Monitor, keyboard, and mouse sold separately

Flexibility Ensures the Best Fit in Any Environment

The Explora™ 400 Series thin clients are designed to deliver increased return on an organization's existing investments in network-based resources.

The Explora 450 is the best fit for heterogeneous intranets where you need fast access to Windows, UNIX, and legacy applications from a single desktop. It offers a high-performance CPU, several network connectivity including 100BaseT, and 1280x1024 resolution support.

The Explora 400 is optimized to deliver high-performance, low-cost, server-based access to Windows applications. Its simple plug-and-play installation makes it ideal for extending capabilities within terminal-oriented solution environments to include Windows-based applications. The Explora 400 also supports a number of display size and resolution options.

Both the Explora 450 and the Explora 400 can be configured with either a space-saving vertical base or a monitor-supporting base.

The Power of Intranets Combined with High-Speed Windows Access

By leveraging the centralized power of network servers and distributing display processing tasks to the desktop, Explora 400 Series provides high-performance intranet access while supporting the full range of Windows-based applications.

Users get all the advantages of computing resources that are centrally installed, managed, and upgraded. System and network administrators get greatly simplified network management and security. Desktop and network reliability is enhanced. The entire organization wins.

Explora 400 thin client devices provide the local ICA™ protocol that can connect to any Citrix WinFrame™-based server. When used with NCD's WinCenter™ multi-user Windows NT server software, Explora 400 devices provide a variety of multimedia, integration, and management features that are only available on thin client solutions from NCD.

Ideal for a Wide Range of Users and Applications

Explora 400 thin client devices are superior solutions for users who leverage the power of the network, rather than loading and managing applications locally. These can be call center employees, bank tellers, factory or hospital workers. Other users can include any administrative or professional employee in industries like banking, health care, insurance, financial services, government or academia.

To ensure an optimal fit in any application scenario, Explora 400 Series supports a variety of optional peripherals including smart card readers and floppy drives, as well as multiple keyboard and display options, including flat panel displays. They even support Java-based applications.

Easy to Use, Reliable, and Ready to Go!

NCD's embedded operating environment, NCDware™ ensures that Explora 400 thin client devices are plug-and-play. Just load NCDware from the CD-ROM onto the network server and attach the Explora to the network. Internet protocols such as DHCP provide automatic assignment of an IP address to the system.

Reliable by design, Explora 400 systems have no integral moving parts — no fans, no hard drives, no floppy drives. In fact, the Explora 400 systems are rated at 350,000 hours of MTBF (Meantime Between Failure).

This superlative reliability is backed up by a 3-year warranty on all base configurations. NCD's standard three year warranty on the Explora 400 Series is the longest warranty in the thin client industry, and is designed to protect your investment. In addition to our standard three year warranty, NCD also offers multiple levels of Warranty Services to meet your requirements.

And the user can customize an Explora 400 device by means of a simple point-and-click interface.

Explora 400 Series thin client devices are the perfect choice for applications and network access in today's enterprise computing environment.

NCD

NCD Explora 400

Technical Specifications

Hardware

- Architecture
  - 32-bit RISC Processor
  - Explora 400: PowerPC 403GA @33MHz
  - Explora 450: PowerPC 403GCX @66MHz
  - Video Coprocessor: S3 Trio64V2/DX
- Main Memory
  - Both Models: 8 MB standard, expands to 128MB, 2 SIMM sockets
- Memory Type
  - 32-bit, 60ns, EDO memory, 72 Pin SIMMs
- Maximum resolution
  - Explora 400: 1152 x 900
  - Explora 450: 1280 x 1024
- Video RAM
  - Explora 400: 1 MB
  - Explora 450: 2 MB
- Type I/II PCMCIA Slot
- 4/12MB flash memory for local booting via PCMCIA (option)
- Floppy Drive (option)

Communications

- Network Interface
  - Explora 400:
    - 10BaseT
    - Wireless via PCMCIA (option)
    - Token Ring via PCMCIA** (option)
  - Explora 450:
    - 10/100BaseT (auto-switching)
    - 10Base2 (optional)
    - Wireless via PCMCIA (optional)
    - Token Ring via PCMCIA** (option)
- Parallel Port: Single DB25, PC compatible
- Serial Port: Single DB-9 RS232C up to 115.2K baud

Software

- Operating System
  - NCDware™
  - Color Support: 8-bit (256 colors), 16-bit (65,536 colors) (Q2 '98)
- Window System
  - X11, Microsoft® Windows NT, Windows 95, Windows 3.x applications via WinCenter
- Java Virtual Machine*
- NCD Mosaic Web Browser*
- Application Support
  - Windows, X Window System, 3270/3179G*, TN3270, VT320
- Imaging
  - Document Imaging Subset (DIS) of XIE
- Internet Protocols
  - TCP/IP, NFS, Telnet, DNS/BIND, X11, XDMCP, LPD, DHCP, BOOTP, RARP, ARP, SNMP, PING, TFTP
- Legacy Protocols
  - DECnet*, LAT, TN3270*
- ICA protocol support
- Font Service
  - Font Server, TCP/IP, DECnet*
- Window Managers
  - NCDwm with OpenLook, MWM*
- Convenience Features
  - AutoLock, AutoLogoff, user preferences, local clock
- Management Features
  - FlexLM, remote reboot, network diagnostics, remote control via SNMP and ConfigD, secure boot monitor, persistent and secure boot, fail/over support
- Peripheral Support
  - Serial and parallel printing via LPD and LAT, NFS server for floppy
- Miscellaneous Support
  - NAS Audio, SAW Touchscreen, color map management, NFS server for PC cards, keyboard map download, Light Pen Support

Audio

- Both models: 8-bit commercial quality stereo output via 3.5mm jack
- Built-in PC speaker

Input Devices

- Keyboard Options (US and international versions)
  - 101-key PS/2-style, enhanced for Windows-95
  - 108-key DEC-style (LK-401)
  - 123-key Sun Type-5 style
- Mouse
  - Three-button PS/2 interface

Power

- AC Voltage and Frequency
  - 100 V/50-60 Hz
  - 120 V/60 Hz
  - 220 V/50 Hz
- 19 watts max
- Environmental Operating Range
  - Temperature: 10°C to 40°C
  - Humidity: 10% to 90% non-condensing
  - Altitude: Up to 10,000 ft.
- Ergonomic Features
  - Mounting bracket and security loop available only with space-saver package, quiet operation

Physical Dimensions

- Space Saver Package
  - Height: 9.6" (244mm) with stand
  - Width: 1.8" (45mm) base only
    5.4" (138mm) base with stand
  - Depth: 10.9" (276mm)
- Monitor Support Package
  - Height: 2.1" (53mm)
  - Width: 12.8" (325mm)
  - Depth: 13.2" (335mm)

Certifications

- Energy Star compliant
- MPRII compliant
- CE compliant
- UL
- FCC-A
- GSA

* Denotes optional or licensed software features

** Denotes Non-CE compliant

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