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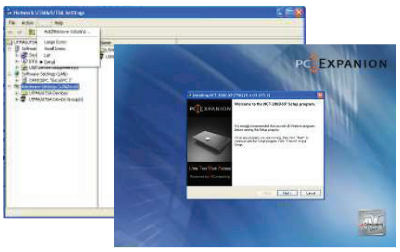
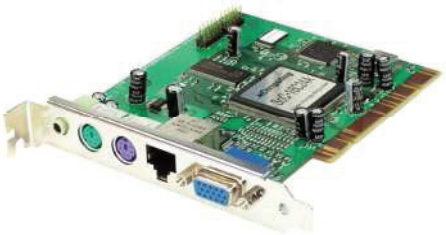
L150 Embedded Access Terminal





Key Features

- Embed an access terminal into an existing PC
- Enable users to work on both a local PC and on a remote shared PC from one desktop
- Enables sharing one host PC with up to 30 users*
- Connects to host PC via Ethernet over any distance
- Includes terminal services software for Windows/Linux
- Extension protocol supports multi-media applications
- Slashes computing acquisition & support costs

Overview

The NComputing L150 embedded access terminal enables you to turn a standard PC into a dual-purpose computing access device. With a standard KVM switch you can alternate between the local PC and a remote shared PC accessed via the L150. This solution is intended for end users that normally require multiple, separate PCs at their work area. For example, many military and intelligence agencies require that users work on separate PCs that are connected to different secure and public networks.

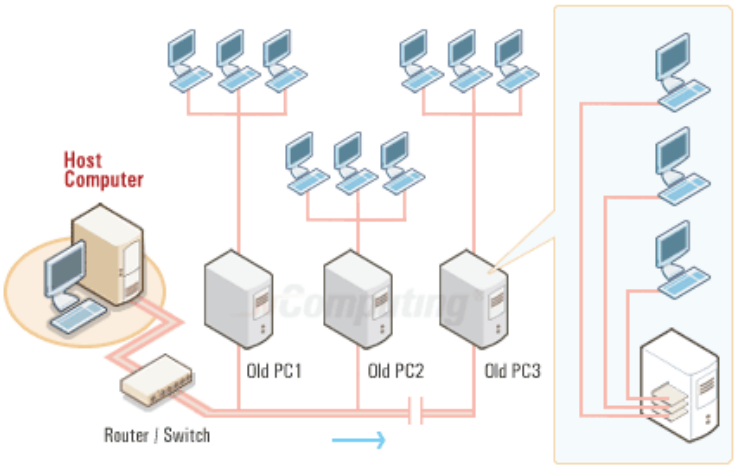
System Configuration

The L150 incorporates NComputing technology into a PCI plug-in card that connects over Ethernet to a separate shared PC - usually one that is connected to a separate network. The L150 draws power from the PC into which it is plugged, however, it is otherwise a completely separate terminal.

Space at the user desktop is saved by mounting the L150 into an existing PC, rather than using a separate external L Series terminal. The end user can switch between the secure PC at their desk and the shared open PC accessed by the L150 via a standard KVM (Keyboard-Video-Mouse) switch (not included). The L150 can also be used to upgrade an old PC to function like any standard L Series terminal and connect back to a shared host. Several L150s can be installed in an old PC to support multiple users.

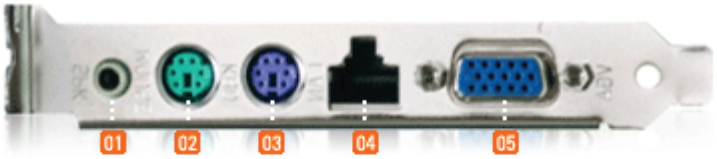
The solid state L150 connects securely over standard Ethernet to the remote host PC using the high-performance NComputing User eXtension Protocol (UXP).

The NComputing terminal services software divides the PC's resources into independent sessions that give each user their own full PC experience. Up to ten users can be supported from one PC when running on a desktop operating system such as Microsoft Windows XP. Up to 30 users can be supported when using a server operating on the remote host. The L150 is completely independent of the operating system running on the PC into which the L150 is installed.



Old PCs or PCs intended to be on a separate network can house the L150 PCI card

L150 Embedded Access Terminal Specifications

HARDWARE	
Size	*Width: 134* mm, *Height: 121* mm, *Depth: 19* mm
Weight	*L150 Access Terminal:* 100 g
Power Supply	*Provided via PCI slot*
Rear Ports	 01 Speaker Jack | Connection for speaker. 02 PS/2 Mouse Port | Connection for PS/2 mouse. 03 PS/2 Keyboard Port | Connection for PS/2 keyboard. 04 LAN (RJ45) Port | Connection for Router/Switch or Host PC via network cable. 05 VGA Monitor Port | Connection for monitor.
Connection to Local PC	Half-size PCI slot
Connection to Remote PC	Unlimited distance via 100 Mb/s switched Ethernet connection
Video Resolution	640x480, 800x600, 1024x768 and 1280x1024, 16-bit color maximum, 75 Hz maximum refresh rate
Audio	16-bit stereo output via speaker port
Data Security	No USB ports on terminal ensure absolute data security
Internal HW	All solid-state design, no moving parts, no fans, no local user storage NComputing System-on-Chip Embedded NComputing operating firmware (no local user OS)
Reliability (MTBF)	>500,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40° C)
TERMINAL SERVICES SOFTWARE	
Max # Users Per PC	30 users when using a server host OS (i.e. Windows Server 2003 or Linux) 10 users when using a desktop OS (i.e. Windows XP)
Extension Protocol	NComputing User eXtension Protocol (UXP)
Supported Operating Systems – Remote PC	Microsoft: Windows XP Professional and Media Center Edition 2005, Windows 2000 Professional Windows Server 2003, Small Business Server 2003 Linux: several variants (refer to Support section of Website for latest supported revisions of Linux)
Maintenance	Online remote update via NComputing Management Console (included)
SYSTEM REQUIREMENTS AND OPTIONS	
Remote Host PC Configuration	1 Remote User: Pentium 4, >1.3 GHz, 512 MB RAM 2-3 Remote Users: Pentium 4 (HT), >2.4 GHz, 512 MB RAM 4-7 Remote Users: Pentium 4 (HT), >3.0 GHz, 1 GB RAM 8-10 Remote Users: Pentium 4 (HT), >3.2 GHz, 2 GB RAM ***Note:** the maximum number of users varies depending on the number of processor cores, the amount of memory, the type of hard drive on the host computer, the type of OS, and administrative privileges. To support more than 10 users from one computer, you must use Microsoft Server 2003 or Linux.
Optional Software	NControl (remote control and management), NShield (Hard Drive partition recovery)

NComputing®

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