DATASHEET

L-series: L350

Ethernet virtual desktop

L350 Key Features

Performs in your environment

Whether playing 1080P quality full-screen video with digital output to the monitor, connecting specialized High-Speed USB 2.0 devices or listening to high quality digital audio, the **L350** has the power and flexibility to work in the environment you choose.

Fits your budget, today & tomorrow

The **L350** redefines performance and value for thin-client or zero-client devices. A complete virtual desktop solution can be deployed for less than half the cost of PCs, with ongoing management savings of 75% and power savings of over 90%.

Easy to deploy

Whether you need a few workstations in a small office, or classroom, or thousands in a corporate office, or campus, the **L350** can be deployed easily using integrated management tools..

Easy to manage

The **L350** is a zero management client. Once deployed, there are no applications, software, or drivers to manage on the device. **vSpace** software centrally handles firmware changes without requiring user intervention.

Enterprise IT departments are actively searching for less expensive ways to purchase, deploy, and manage employee desktops. Desktop virtualization has been considered the cure-all for this headache, but users are still concerned about virtual desktop performance and multimedia support. *NComputing* shatters this perception by delivering rich multimedia playback, powerful yet simple deployment and management tools, and an industry-leading price point via its next-generation access device—the **L350** virtual desktop with vSpace® Server desktop virtualization software.

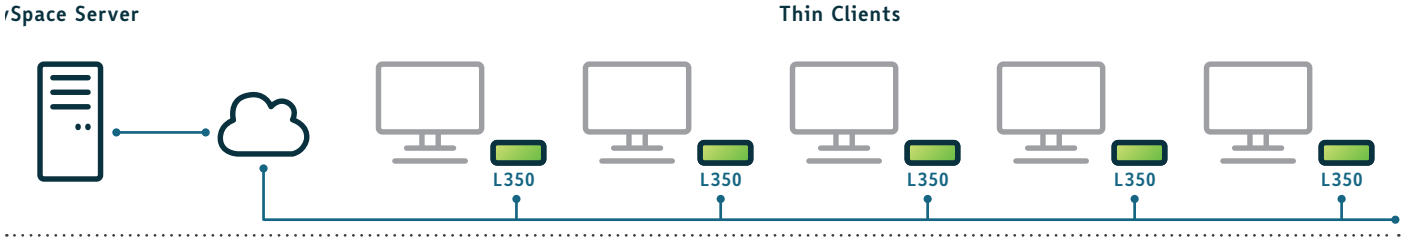
NComputing, the market leader in deployed virtual desktops, has delivered more than 2.5 million low-cost access devices worldwide. The newest access device, the **L350** virtual desktop, delivers rich full-screen, full-motion multimedia playback; transparent USB redirection; and unparalleled peripheral support. Combined with the *NComputing* **vSpace Server**, the **L350** now provides enterprises with a simple-to-deploy, low-cost means to implement a complete virtual desktop infrastructure in hours.

vSpace virtualization software—get more from your VDI investment

NComputing **vSpace Server** enables enterprises to optimize virtual desktop deployments by providing multiple end users with simultaneous access to a single operating system instance of Windows. **vSpace** not only integrates into virtualization server deployments based on VMware, Citrix and Microsoft offerings, but can also extend their value by changing the typical virtual desktop structure from one user per virtual machine to 100 users per virtual machine. This has a direct, positive impact on operational expenses and immediately lowers overall desktop PC costs such as support, maintenance, and desktop replacement.

The L350 access device—next-generation media acceleration

With the **L350**, watching HD quality video comes standard for most common media formats. The game-changing access device comes packaged in a sleek low-power package that can be easily mounted on a monitor or secured to a desk. Powered by the proven *NComputing* Numo System-on-Chip (SoC), the **L350** uses patent-pending hardware technology to decode and scale multimedia locally, eliminating network strain. The **L350** access device costs less than any other thin- or zero-client options and is a quarter of the cost of desktop PCs. In combination with the *NComputing* **vSpace Server**, it enables VDI solutions at one-third the price of traditional offerings.



L350: Ethernet virtual desktop

FEATURE	FUNCTION	BENEFIT
HOST-OPTIMIZED VIDEO ACCELERATION	Video content played through standalone media players or embedded into web pages may be transcoded, streamed, locally decoded, and scaled up to 1080p resolution with DVI-D digital video output to the monitor.	Users will experience PC-quality video without excessive host-side processing or requiring a local PC or thin client with media player and codec support
HIGH-AVAILABILITY LOGIN	Administrator may define a failover group list of hosts to which devices may automatically connect	Each user can be assured a login within seconds, even in the event of a host failure, without complex central management servers and agents
EXPRESS DEPLOYMENT TOOLS	Administrators may define a device template with all settings and configurations so that it may be cloned and pushed to new devices	Thousands of devices may be easily deployed without manual configuration—and without requiring the installation of complex centralized management infrastructure
VMWARE AND CITRIX SUPPORT	Leverage VMware to deploy multiple instances of vSpace, multiplying the number of users per server, or integrate the Citrix Receiver to deploy XenApp-based applications	Extend the benefits of **vSpace** and the **L350** for large deployments by leveraging server and application virtualization technologies
ZERO MANAGEMENT	The **L350** is easy to configure and automatically receives updates from deployed **vSpace** servers	The **L350** is easy to configure and is automatically managed by the **vSpace** server, unlike thin clients that require complex management tools to deal with locally installed applications or so-called "zero clients" that require complex networking and management server setup
TRANSPARENT USB REDIRECTION	The **L350** includes 4 High-Speed USB 2.0 ports that transparently redirect bulk, HID, mass-storage class, and printer devices back to the server where the native driver is installed	No local management of drivers is required to support USB devices
ZERO-FOOTPRINT INSTALLATION	The **L350** includes a convenient VESA mounting option for LCD displays	Keep the desktop clutter-free by mounting the **L350** device to the back of an LCD monitor

L350 Connections

1. DVI-D digital video output
2. 10/100 Mbps Ethernet
3. 2 USB 2.0 ports for keyboard & mouse
4. Microphone jack (16bit/22kHz high quality audio)
5. Speaker jack (16bit/22kHz high quality audio)
6. 2 additional High-Speed USB 2.0 ports (full USB redirection)
7. 12V DC in
8. On/off switch

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HARDWARE	DESCRIPTION	
KIT CONTENTS*	Each **L350** kit includes an access device, power supply/cord, *NComputing* **vSpace** software CD/license, software installation & user guide, Quick Install Guide, and VESA-compliant monitor mounting bracket. PC, monitor, keyboard, mouse, speakers, microphone, and other peripherals are NOT included and must be purchased separately.	
SIZE	Width: 115 mm / 4.5 inches, Depth: 115 mm / 4.5 inches, Height: 30 mm / 1.2 inches	
WEIGHT	154 g / 0.34 lbs. Shipping weight (includes power adapter, packaging, documentation, etc.): 0.77 kg / 1.7 lbs	
POWER SUPPLY	12VDC power supply included (110/220 auto-switching)	
POWER CONSUMPTION	5W (independent of external USB devices)	
LED INDICATORS	Power, network link, and network activity	
DISPLAY RESOLUTIONS	Normal display resolutions (24 bit color) @60Hz	Wide display resolutions (24 bit color) @60Hz
	640x480, 800x600, 1024x768, 1280x1024, and 1600x1200	1280x720, 1280x800, 1360x768, 1366x768, 1440x900, 1600x900, 1680x1050, 1920x1080, 1920x1200
DISPLAY INTERFACE	1x DVI-D digital video output	
MONITOR POWER-SAVE MODE	Supports power-saving mode with VESA-compliant monitors	
NETWORKING	10/100 Mbps Switched Ethernet	
AUDIO	16-bit/22kHz high quality digital audio with support for USB2.0 audio devices or via 3.5mm stereo audio jacks for headphone/microphone	
PERIPHERAL SUPPORT	4x USB 2.0 high-speed ports (two required for keyboard & mouse) • All USB ports utilize full USB redirection, utilizing device drivers from the server Smart card reader support via external USB	
INTERNAL HARDWARE	All solid-state design. No moving parts, no fans, no local user storage. *NComputing* Numo System-on-Chip with embedded *NComputing* operating firmware (no local user OS)	
MULTIMEDIA SUPPORT	Hardware-accelerated 2D graphics, hardware-accelerated video support for most media formats on stand-alone media player applications and browser-based video	
DATA SECURITY	No local data storage on device. USB data access controlled by user or device policy	
RELIABILITY (MTBF)	>100,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40° C)	
CERTIFICATIONS	FCC Class B, CE, KCC, RoHS	
ENVIRONMENTAL	• 0 to 40 degrees Celsium • 10 to 85% relative humidity (non-condensing) • No moving parts permits use in high dust/particulate/vibration environments	
MAXIMUM NUMBER OF USERS PER OPERATING SYSTEM	*NComputing* **vSpace Server** permits up to 100 users per shared OS	
PC CONFIGURATION	See recommended hardware configuration guide at www.ncomputing.com/support	

SOFTWARE	DESCRIPTION
SUPPORTED OPERATING SYSTEMS**	Refer to the vSpace operating system compatibility matrix for the latest supported versions.
USER SOFTWARE	*NComputing* **vSpace Server** desktop virtualization software with User eXperience Protocol (UXP)

* Application software, client access, and OS licenses for the shared PC and **L350** may be required by the respective software vendor and must be purchased separately.

** Please refer to the Microsoft operating system licensing requirements and technical details at www.ncomputing.com/mslicensing.

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