

L300 Ethernet Virtual Desktop

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 L300 virtual desktop with vSpace™ 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 L300 virtual desktop, delivers rich full-screen, full-motion multimedia playback; transparent USB redirection; and unparalleled peripheral support. Combined with the NComputing vSpace software, the L300 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 software enables enterprises to optimize virtual desktop deployments by providing multiple end users with simultaneous access to a single operating system instance of either Windows or Linux. 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 thirty 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 L300 access device – next-generation media acceleration

With the L300, watching DVD-quality video on up to a 1920x1080 display 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 a new NComputing Numo System on a Chip (SoC), the L300 uses patent-pending hardware technology to decode and scale multimedia locally, eliminating network strain. The L300 access device costs less any other thin- or zero-client options and a quarter of the cost of desktop PCs. In combination with the NComputing vSpace software, it enables VDI solutions at one-third the price of traditional offerings.

Conclusion

The L300 in combination with the vSpace virtualization software will redefine desktop virtualization price performance. Whether you are new to desktop virtualization, evaluating VDI, or just looking for a less expensive way to deploy desktops, you are just a few steps away.

L300 Highlights



Performs in your environment – Whether playing DVD-quality full-screen video or connecting specialized USB 2.0 devices, the L300 has the power and flexibility to work in the environment you choose.

Fits your budget, today and tomorrow – The L300 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 four workstations in a remote branch office or four thousand in a corporate office, the L300 can be deployed easily using vSpace management tools.

Easy to manage – The L300 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.

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 1920x1080 resolution at full frame rates.	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 L300 for large deployments by leveraging server and application virtualization technologies
Zero management	The L300 is easy to configure and automatically receives updates from deployed vSpace servers	The 300 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 L300 includes 2 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 L300 includes a convenient VESA mounting option for LCD displays	Keep the desktop clutter-free by mounting the L300 device to the back of an LCD monitor

Hardware	
Kit contents *	Each L300 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 (16 or 24 bit color) @60Hz 640x480, 800x600, 1024x768, 1280x1024, and 1600x1200
	Wide display resolutions (16 or 24 bit color) @60Hz 1280x720, 1280x800, 1360x768, 1366x768, 1440x900, 1680x1050, and 1920x1080
Monitor power-save mode	Supports power-saving mode with VESA-compliant monitors
Networking	10/100 Mbps Switched Ethernet
Audio	12 bit stereo audio input / output via 3.5mm stereo jacks
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 Celsius
	10 to 85% relative humidity (non-condensing) No moving parts permits use in high dust / particulate / vibration environments
Maximum number of users per PC**	NComputing VSpace software permits up to 30 users per shared PC
PC configuration	See recommended hardware configuration guide on the NComputing website
Software	
Supported operating systems***	Microsoft Windows and Linux (refer to the support section of the NComputing website for the latest supported versions)
User software	NComputing vSpace desktop virtualization software with User eXtension Protocol (UXP)

L300 connections



- 1 – (2) remote USB 2.0
- 2 – microphone jack
- 3 – speaker jack
- 4/5 – USB 1.1 keyboard & mouse



- 1 – 10/100 Ethernet
- 2 – VGA monitor
- 3 – 12V DC in
- 4 – on/off switch



* Application software, client access, and OS licenses for the shared PC and L300 may be required by the respective software vendor and must be purchased separately.

** The number of users an individual host will support depends upon the host system capabilities as well as the applications used and performance expectations for those applications. It is recommended that new customers test their application(s) before adding additional users.

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



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