

# L-series: L130, L230

## Ethernet virtual desktop

### Key features & benefits

- Share one PC with up to thirty users
- Slash hardware costs by 75%, plus save 75% on support costs
- Easy to set up, maintain, and secure
- Compact, reliable, and energy-efficient (no fans or disks, 5 watts per user)
- Includes powerful vSpace™ virtualization software
- Mount to a monitor with included bracket

Today's PCs are like supercomputers. And most PC users only use a small fraction—as low as 5%—of the power of their machines. NComputing takes the excess capacity and allows up to 30 users to each enjoy their own rich PC experience. They feel like they have their own PC, but at a fraction of the cost and without all of the maintenance headaches.



*The L-series is ideal for factories, offices, task workers, schools, call centers, and branch offices.*

### Dramatically reduce your computing costs

The L-series costs less than half the price of entry-level PCs. And the ongoing savings are even higher. With no moving parts or local storage, repairs are rare and your maintenance costs are kept in check because you only have to maintain and upgrade the shared PCs—not the L-series. In fact, whenever you refresh to the latest PC technology, your L-series users will automatically enjoy the increased performance. Going green? Compare the 5 watts of power consumed by the L-series to the 110 watts or more in a typical PC. The small L-series access device (about half the size of a paperback book) consumes less power, generates less heat, produces less e-waste, and makes no noise.

### Easy to install, simple to manage

Plug in your Ethernet cable, mouse, keyboard, and monitor. Install the included vSpace desktop virtualization software on the shared PC. It just takes a few minutes. You now have added multiple users, each with their own rich Windows or Linux environment. Best of all, you can run standard applications and your staff and users won't need any special training.

### Powerful and flexible

The L130 features a compact design, a stereo jack, and 16-bit widescreen video support. The L230 has all of that, plus a USB flash drive port, a microphone jack, and 24-bit video support. Both support 640x480, 800x600, 1024x768, 1280x1024, and 1440x900 video modes.



L130 & L230 front



L130 & L230 back



- 1 – Ethernet
- 2 – Monitor
- 3 – 5V DC in
- 4 – On/off switch

L130 side

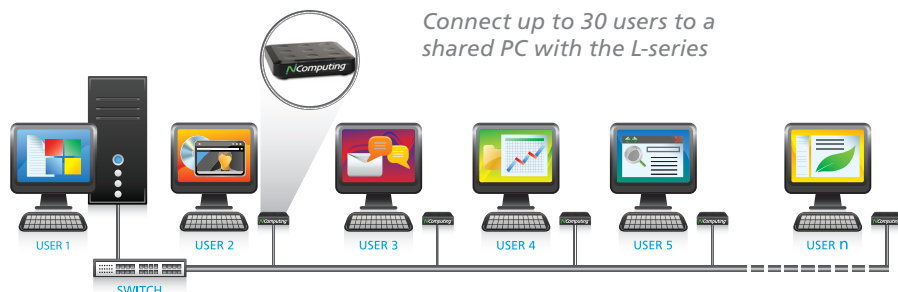


- 1 – Speaker jack
- 2 – PS/2 keyboard
- 3 – PS/2 mouse

L230 side



- 1 – USB
- 2 – Microphone jack
- 3 – Speaker jack
- 4 – PS/2 keyboard
- 5 – PS/2 mouse



## Specifications

<b>Kit contents*</b>	Each L-series kit includes an access device, power supply/cord, NComputing vSpace software CD/license, software installation & user's guide, Quick Install Guide, monitor mounting bracket and LAN cable. PC, monitor, PS/2 keyboard, PS/2 mouse, speakers, and other peripherals are NOT included and must be purchased separately.	
<b>Max # users**</b>	30 users per shared PC, plus one on the shared PC	
<b>User software</b>	NComputing vSpace desktop virtualization software with User eXtension Protocol (UXP)	
<b>Supported OS***</b>	Microsoft Windows and Linux (refer to the support section of the NComputing website for the latest supported versions)	
<b>Size</b>	Width: 115 mm / 4.5 inches, Height: 26 mm / 1 inch, Depth: 115 mm / 4.5 inches	
<b>Weight</b>	154 g / 0.34 lbs, Shipping weight (includes power adapter, packaging, documentation, etc.): 0.77 kg / 1.7 lbs	
<b>Power supply</b>	Input: 100-250 VAC, 50-60 Hz, Output: 5 VDC, 2 A, Nominal consumption: 5 W	
<b>LED indicators</b>	Power: connection to power supply, LAN: network activity, Ready: device status	
<b>Connection to shared PC</b>	Via 100 Mb/s switched Ethernet connection	
<b>Audio out</b>	Stereo output via speaker port	
<b>Internal hardware</b>	All solid-state design. No moving parts, no fans, no local user storage. NComputing System-on-Chip with embedded NComputing operating firmware (no local user OS).	
<b>Reliability (MTBF)</b>	>100,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40°C)	
<b>Certifications</b>	FCC Class B, CE, MIC, NOM, GOST R and RoHS compliant (China RoHS (50))	
<b>PC configuration</b>	See Recommended product selection guide in the download section of the NComputing website	
	<b>L230 Hardware</b>	<b>L130 Hardware</b>
<b>Video resolution****</b>	640x480, 800x600, 1024x768 (at 60 or 75 Hz refresh rate), 1280x1024 (~63 Hz) and 1440x900 (60Hz). All feature up to 16-bit or 24-bit color support.	640x480, 800x600, 1024x768 (at 60 or 75 Hz refresh rate), 1280x1024 (~63 Hz) and 1440x900 (60Hz). Up to 16-bit color support.
<b>USB flash memory port</b>	Supports USB 1.1 flash memory devices – requires Windows OS on host (USB function can be disabled for security in the administration console)	No local USB port
<b>Audio input</b>	Microphone port	None

\*Application software, client access, and OS licenses for the shared PC and L-series 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](http://www.ncomputing.com/mslicensing). Specific Linux support information is available in the NComputing Knowledge Base.

\*\*\*\*Does not support 3D games or full-screen home theater applications.

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Linux®

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