

# Choose the right solution for your needs



## X-series

The NComputing X-series connects through a PCI card installed into the shared PC and delivers exceptional multi-media performance with unmatched CPU and energy efficiency. The X-series is ideal when the users are in the same room as the shared computer.

- Best value
- Easy cabling
- Best performance for 5-10 stations



## U-series

The NComputing U-series is the simplest and quickest to install because each device plugs into a standard USB 2.0 port on the host system. Ideal for small installations where users share a host computer in the same room.

- Simple installation
- USB peripherals
- Ideal for 2 to 5 users per host

## Direct connect family



Model	X350	X550	U170
Connection method	PCI card	PCI card	USB 2.0
Description	3-user kit with PCI card, vSpace™ and 3 access devices	5-user kit with PCI card, vSpace™ and 5 access devices	1-user kit with vSpace™ and 1 USB-based access device
Maximum users per host system	7 (2 cards x 3 + PC)	11 (2 cards x 5 + PC)	10
Size of shared computer	needs 1 or 2 low-profile or full-height PCI slots	needs 1 or 2 full-height PCI slots	any size – with external USB 2.0 ports
Maximum screen resolution	1440x900 or 1280x800 @ 16-bit color	1440x900 or 1280x800 @ 16-bit color	1680x1050 or 1600x1200 @ 32-bit color
Mouse & keyboard ports	PS/2	PS/2	USB
Microphone port	no (use PC USB port)	no (use PC USB port)	yes
USB flash drive port	no (use PC USB port)	no (use PC USB port)	yes
Client connection	direct cable to PCI card	direct cable to PCI card	direct cable to USB port (may use hubs)
Maximum distance from PC	10 meters (Cat 6 STP) 5 meters (Cat 5e UTP)	10 meters (Cat 6 STP) 5 meters (Cat 5e UTP)	5 meters (via USB cable) 20 meters max (with powered USB hubs)
Access device size	119 x 27 x 82 mm	119 x 27 x 82 mm	125 x 80 x 30 mm
Nominal power	1 watt per seat	1 watt per seat	2 watts per seat

### X-series minimum recommended hardware<sup>1</sup>

Users	CPU	Memory
1-3	2.4 GHz or any dual core	2 GB
4-7	3.0 GHz or any dual or quad core	3 GB
8-11	3.0 GHz or any dual or quad core	3+ GB

### U-series minimum recommended hardware<sup>1</sup>

Users	CPU	Memory
1-3	any dual core	2 GB
4-7 <sup>2</sup>	dual or quad core <sup>3</sup>	3 GB
8-10 <sup>2</sup>	dual or quad core <sup>3</sup>	3+ GB

1. These are general guidelines. Always test your applications first before deploying.

2. When installed on Windows XP, only 5 U170s can be supported. See [www.ncomputing.com/mslicensing](http://www.ncomputing.com/mslicensing) for specific use cases and licensing requirements.

3. More than 4 users requires dual Enhanced USB controllers.

## Ethernet family

The L-series access devices connect to the shared computer via standard Ethernet networks. That way, users can be any distance from the shared computer. Up to 30 L-series users can share a single computer or virtual machine. Using multiple virtual machines enables hundreds of L-series devices to connect to a single physical server. L-series access devices are sold individually, and include vSpace virtualization software.



L130/230



L300

Model	 L130	 L230	 L300
High availability login	Manual	Manual	Automatic
Interactive user experience	Good user experience for basic task-worker needs	Good user experience for basic task-worker needs	"Native PC" experience with smooth scrolling and fast screen updates
Video performance	Small window only	Small window only	Full screen video through media player and browser embedded video (including Flash)
Peripheral connectivity	No USB	USB 1.1 (1 port)	USB 2.0 (2 ports)
Keyboard and Mouse support	PS/2	PS/2	USB
Maximum screen resolution	1440x900 or 1280x1024 @ 16-bit color	1440x900 or 1280x800 @ 24-bit color	1680x1050 or 1600x1200 @ 24-bit color
Speaker port	stereo out	stereo out	stereo out
Microphone port	no	yes	yes
Power supply required	yes, 5 VDC included	yes, 5 VDC included	yes, 12 VDC included
Nominal power	3 watts	3-5 watts	3-5 watts
Access device size	115 x 115 x 26 mm	115 x 115 x 26 mm	115 x 115 x 30 mm



### L-series recommended hardware

L-series deployments vary greatly based on the type of applications, usage and infrastructure. To determine the appropriate system configuration for deployment, NComputing recommends a pilot to measure concurrent usage, application load, and bandwidth load over a period of time.

A minimum recommended system to evaluate L-series deployments is a dual core or better processor (or two virtual CPUs) with 2GB of memory and a single disk/spool (no RAID required).