X-series desktop virtualization kits

Key features & benefits

- Share one PC with up to eleven users

- Slash hardware and support costs up to 75%

- Easy to set up, maintain, and secure

- Compact and reliable (no fans or disks)

- Energy-efficient (1 watt per user)

- Supports standard applications including multimedia and full-screen video

- Supports standard and widescreen resolutions (up to 1280x1024 or 1440x900)

- Connect users directly to the shared PC using standard cables up to 10 m (33 ft) long

- Includes powerful vSpace™ desktop virtualization software, PCI card, and XD2 access devices

X-series desktop virtualization kits

Up to eleven users on one PC? Absolutely—today's PCs are so powerful that the vast majority of people use only a small fraction of their available computing power. The X-series taps the unused capacity so that up to eleven users can simultaneously share a single PC. Each user gets their own virtual workspace (applications, settings, files, and preferences), but at a fraction of what it would cost with individual computers. So even though eleven people share a single system, they each get their own rich PC experience.

The X350 and the X550 are ideal for business, government, public access, classrooms, and computer labs.

Easy to install

Each X-series kit contains the powerful, award-winning vSpace desktop virtualization software, a PCI card, and XD2 access devices. Each X350 kit adds three users to a low profile PC while the X550 kit adds five users to a full-sized PC. Setting it up is easy: just install the PCI card and virtualization software on the shared PC. Then connect the access devices to the PCI card with standard cables. Finally, connect each user's monitor, keyboard, and mouse to their access device. That's all—it's as simple as an appliance. Now, multiple users can enjoy their own independent virtual desktops. Add a second kit and even more users can simultaneously share a single PC—up to 11 with the X550.

Powerful & flexible

Software applications run simultaneously and independently on each virtual desktop. Users don't even know that they are sharing a PC! Your staff and users won't need special training. They will also love getting their desk space back—the XD2 access devices are tiny, silent, mount on the back of the monitor, and have no moving parts. Yet they give each user a rich Windows or Linux workspace. Users enjoy multimedia with sound and full-motion video at screen resolutions of up to 1280x1024 or 1440x900 (widescreen).

Economical & efficient

With the NComputing X-series, you can easily lower your computing hardware and support costs by up to 75%. You will also save money on electricity. The highly efficient X-series uses only 1 watt per added user (compared to 110 watts for a typical PC). With a long useful life and weighing just a few ounces, the NComputing solution also greatly reduces e-waste. It is clearly the greenest computing solution on earth.

Connect up to six users to a single shared computer with one X550 kit (or eleven with two kits)

1 watt

USER 1   USER 2   USER 3   USER 4   USER 5   USER 6

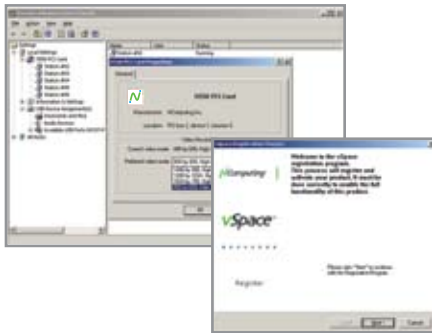*Integrated monitor mount*

XD2 access device rear view

1   2   3   4   5

1 – Speaker
2 – PS/2 keyboard
3 – PS/2 mouse
4 – Video output
5 – RJ-45 PCI card connection port

vSpace virtualization software

Hardware	
Size	XD2 access device: Width: 119 mm, Depth: 82 mm, Height: 27 mm X350: half-height PCI card fits in small-form-factor or full-sized PCs X550: full-height PCI card requires full-sized PCs
Monitor mounting	XD2 access devices have built-in mounting holes to attach to the rear of a monitor with VESA-compliant mounting holes. Two screws per XD2 access device are included.
Power supply	No external power adapters are required Power to the access devices is provided by the PCI card through the Cat 5e or Cat 6 cable
Power requirement	Each XD2 access device requires approximately 1 watt of power
Monitor power-save mode	Supports power-saving mode with Energy Star-compliant monitors
LED indicator on XD2	Green LED located on front of access device indicates power/connection established
Video resolution	1440x900, 1360x768, 1280x1024, 1280x800, 1280x720, 1024x768, and 800x600, 16-bit color, 60 Hz refresh rate
Connection to shared PC	Standard Category 5e UTP (unshielded twisted pair) cable up to 5 meters / 16 feet Standard Category 6 STP (shielded twisted pair) cable up to 10 meters / 33 feet
Audio	Stereo output via speaker port
Data security	No local data storage on device USB ports on shared PC can be assigned to different users (Note: local user access to USB ports requires separate USB extension cables - not included.)
Certifications	FCC Class B, CE, MIC, RoHS
Operating temperature and humidity range	0 to 40 degrees Celsius 10 to 85% relative humidity (non-condensing)
vSpace desktop virtualization software	
Supported operating systems*	Windows and Linux (refer to the support section of the NComputing website for the latest supported versions)
PC configuration	See Recommended Product Selection Guide on the NComputing website
Supported software**	Most PC applications, including browsers, e-mail, office suites, media players, educational software and more. Supports multimedia and full-motion video, but is not recommended for intensive 3D software.

	X350	X550
Kit contents	One X350 kit includes three XD2 access devices, one half-height PCI card (with both full-height and low-profile brackets), vSpace software installation CD with user's guide, Quick Install Guide, and 6 mounting screws for monitor mounting.	One X550 kit includes five XD2 access devices, one full-height PCI card, vSpace software installation CD with user's guide, Quick Install Guide, and 10 mounting screws for monitor mounting.
	Shared PC, PS/2 keyboard, PS/2 mouse, speakers, Cat 5e/6 cables, and other peripherals are NOT included and must be purchased separately.	
Maximum number of users per PC***	Each X350 kit adds three users to a shared PC. A maximum of two kits can be used with one PC to get a total of seven users (three for each kit plus one on the PC).	Each X550 kit adds five users to a shared PC. A maximum of two kits can be used with one PC to get a total of eleven users (five for each kit plus one on the PC).

* Please refer to the Microsoft operating system licensing requirements and technical details at www.ncomputing.com/mslicensing. Specific Linux support information is available in the NComputing Knowledge Base.

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

***The number of users a PC will support depends on 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) to establish an appropriate user-to-host ratio.

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