

X300 virtual desktops

Key features & benefits

- Share one PC with seven users
- Slash acquisition and support costs up to 70%
- Easy to set up, maintain, and secure
- Compact, reliable, and energy-efficient (no fans or disks, 1 watt per user)
- Includes powerful virtualization software
- Supports standard applications, including multimedia
- Connect users directly to the shared PC via standard cables up to 10 m (33 ft) long

Today's PCs are like supercomputers

NComputing virtual desktops are based on a simple fact: today's PCs are so powerful that the vast majority of people use only a small fraction of their available computing capacity. The X300 taps this unused capacity so that up to seven users can simultaneously share a single PC. Each user gets their own **personal computing environment (applications, settings, files, and preferences)**, but at a fraction of what it would cost to deploy individual computers. So even though seven people share a single system, they each get their own rich PC experience.



The X300 is ideal for:
• Classrooms and computer labs • Business • Government • Public access

Easy to install

Each X300 kit contains virtualization software, a PCI card, and three access devices. Setup is easy. Just install the PCI card and virtualization software on the shared PC. Then connect the access devices to the PCI card with the cables. Finally, connect each user's monitor, keyboard, and mouse to their access device. Now, four users can enjoy their own independent virtual desktops (one on the shared PC and three on access devices). Add a second X300 kit and seven users can simultaneously share a single PC.

Powerful and flexible

The access devices themselves are small, silent, and have no moving parts. Yet they deliver a rich Windows or Linux experience. Users can enjoy multimedia with sound and full-motion video at screen resolutions of 800x600 and 1024x768. Software applications run simultaneously and independently on each virtual desktop so that users don't even know they are sharing a PC. Best of all, most software applications run right out of the box, so your staff and users won't need any special training.

Cost-effective and efficient

With the NComputing X300, you can easily lower your computing acquisition and support costs by up to 70%. You will also save money on electricity—the highly efficient X300 uses only 1 watt of electricity per added user (compared to 115 watts for a typical PC). With a longer useful life and far smaller size, the NComputing solution also helps reduce e-waste, a growing problem around the world.

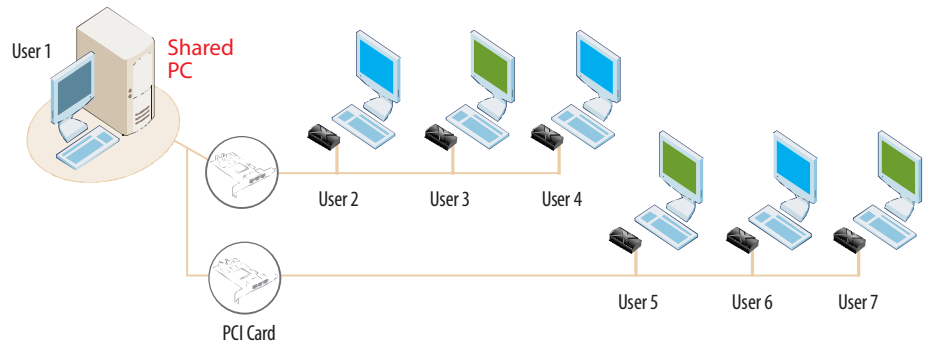


DATASHEET

X300



With 2 X300 kits, 7 users can share 1 PC



X300 kit



X300 access device back



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

SPECIFICATIONS

Kit contents*	One X300 kit includes three (3) access devices, one PCI card, desktop virtualization software installation CD/license, and Quick Installation Guide. PC, keyboard, mouse, speakers, and other peripherals are NOT included and must be purchased separately.
Max # users per PC**	Each X300 kit adds 3 users to a shared PC. A maximum of two kits can be used with one PC to get a total of 7 users (3 for each kit plus 1 on the PC)
User software	NComputing desktop virtualization software with User eXtension Protocol (UXP)
Supported OS	Microsoft Windows and Linux (refer to the support section of the NComputing website for the latest supported versions)
Maintenance	Online remote update via Management Console (included)
Size	Access device – Width: 110 mm / 4.3 inches, Height: 28 mm / 1.1 inches, Depth: 65 mm / 2.6 inches PCI Card: Low-profile PCI plug-in card (includes standard and low-profile PCI brackets)
Power supply	No external power adapters are required Power to the access devices is provided by the PCI card through the cable
LED indicator	Power/Connection: Green LED located on front of access device
Connection to shared PC	Standard Category 5 or 5e UTP cable: up to 5 meters (16 feet) Standard Category 6 STP cable: up to 10 meters (33 feet)
Video resolution***	800x600 and 1024x768, 16-bit color maximum, 60 Hz refresh rate
Audio	Stereo output via speaker port
Data security	No USB ports on access device USB ports on host PC can be assigned to different users Note: Local user access to USB ports requires separate USB extension cables (not included)
Reliability (MTBF)	>100,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40°C)
Certifications	FCC Class B, CE, MIC, and RoHS
PC configuration	See Recommended Host Configuration Guide in the download section of the NComputing website

*Application software and OS licenses for the host PC and X300 may be required by the respective software vendor and must be purchased separately.

**The number of users and 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.

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

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