

MX100D Direct Connect Edition

3-in-1 thin client kit for affordable desktop computing

The NComputing MX100D provides a high performance, low cost computing solution for a simple, powerful & affordable desktop computing alternative.

Key Features & Benefits

- Each MX100D Direct Connect Edition kit includes 3 client devices (primary and two satellites)
- Each MX100D: Direct Connect Edition can support up to 9-users (requires purchase of additional MX100S: Standard Edition kits)
- No existing network infrastructure required – each kit connects directly to vSpace Server
- Powered by Numo SoC
- USB 2.0 keyboard and mouse
- USB 2.0 peripheral support
- Microphone & audio out
- Energy-efficient (typically 2W/user)
- Slash acquisition cost by as much as 65%, maintenance cost by 80% and energy cost by 90%.
- Powerful vSpace® Server desktop virtualization software included
- Easy to set up, maintain, manage

As the industry’s premier 3-in-1 thin client offering, each MX100D Direct Connect Edition kit works with NComputing’s vSpace Server software to deliver a high quality, media-rich Windows desktop experience to 3-users. Architected as an end-to-end solution and built to be simple to deploy, operate and maintain, the hardware, software and protocol components work seamlessly to provide the best user experience. Users don’t even know they are sharing a single computer and the whole solution can be managed by users with only basic IT computer skills.

The MX100D is ideal for workgroup computing, classrooms, computer labs, training rooms, libraries and small business. It comes bundled with NComputing vSpace Server licenses and is designed for use without the need for any existing network infrastructure.

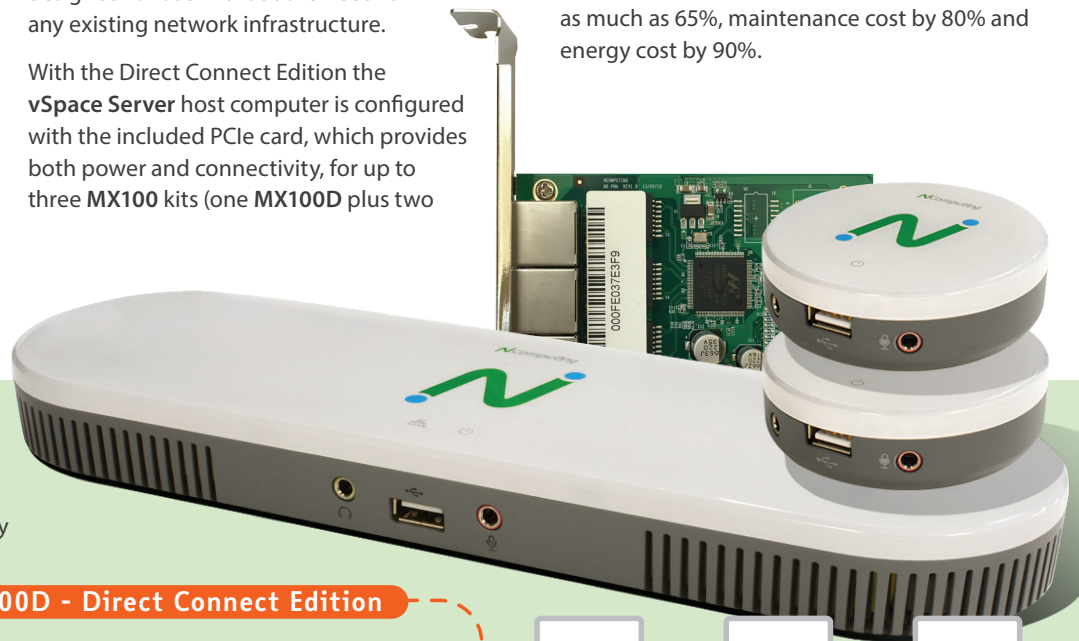
With the Direct Connect Edition the vSpace Server host computer is configured with the included PCIe card, which provides both power and connectivity, for up to three MX100 kits (one MX100D plus two

MX100S Standard Edition kits), enabling up to 9-users per PCIe card. Each additional MX100D kit plus two MX100S kits enables an incremental 9-users to be added to the same vSpace Server.

Benefit from superior multimedia capabilities, USB peripheral support and the highest number of users per host computer—all at a very affordable price. The economics improve even more with:

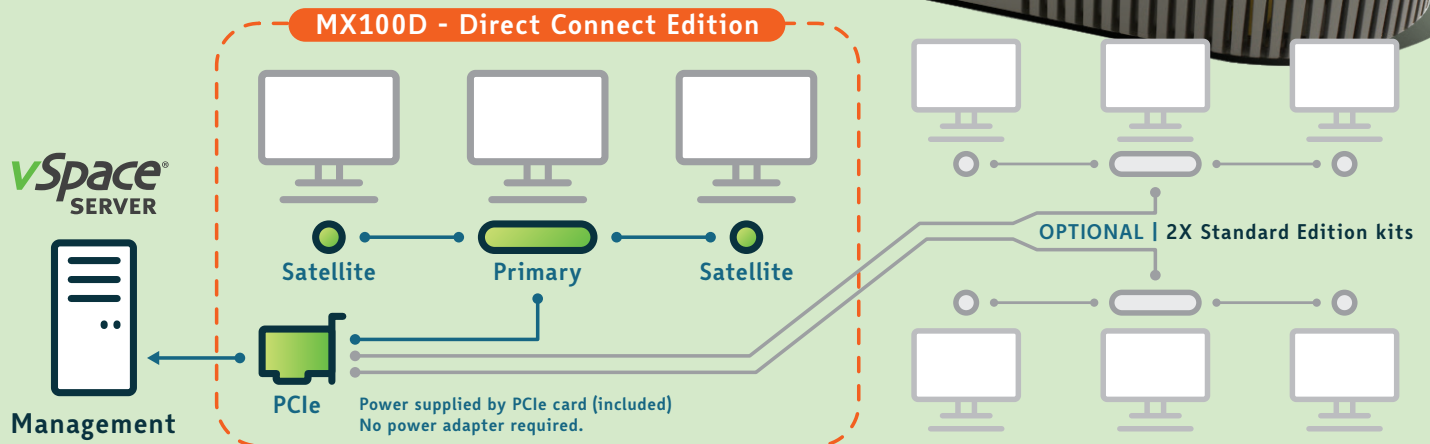
- vSpace Server’s ability to deliver Windows desktops to multiple users from a single computer.
- With a single cable for power and connectivity the total requirement for cables is reduced by 50%

MX100 rewrites new affordability standards in shared computing by slashing acquisition cost by as much as 65%, maintenance cost by 80% and energy cost by 90%.



MX100D: Direct Connect Edition

Connect up to 9 client devices directly to the host computer.



Included:

- 1x primary device
- 2x satellite devices
- 1x MX100D PCIe card with PoE
- 3x monitor mount brackets
- 2x 6-foot satellite link cables
- Quick Install Guide
- vSpace Server installation rights.

Options:

- Each MX100D kit supports up to 2x additional standard edition kits (purchased separately) for a total of 9x client devices.

Connections

1. Headphones (audio-out)
2. USB 2.0
3. Microphone (analog-in)
4. Satellite 3 link
5. Satellite 3 VGA
6. DC Power (not used with MX100D)
7. RJ45 - LAN
8. Primary VGA
9. Primary Keyboard & Mouse
10. Satellite 2 VGA
11. Satellite 2 link
12. Mouse
13. Link to Primary
14. Keyboard



FEATURES

FEATURES	DESCRIPTION
UP TO 9 USERS PER KIT	With one MX100D: Direct Connect Edition kit plus two MX100S Standard Edition kits (optional) up to 9-users can be supported by each MX100D: Direct Connect Edition resulting in fewer PC's to manage and lower annual operating costs. Additional MX100 kits can be added to support even more users.
HIGH QUALITY GRAPHICS	Second generation NUMO SoC device provides full screen video streaming up to 1920x1080 resolution
VSPACE SERVER	Simple to install, easy to configure & fast to set up (complimentary licenses included)
CENTRALIZED MANAGEMENT	Save time deploying and managing multiple vSpace Servers and client devices
SERVICE AND SUPPORT	Provides the resources you need to maximize your technology investment and improve system uptime
SUPPORTED OPERATING SYSTEMS	Microsoft Windows *** — Refer to the support section at ncomputing.com/support for the latest supported versions.
PC HOST REQUIREMENTS	See recommended hardware configuration guide at ncomputing.com/support
MAX USERS PER VSPACE SERVER	9-users can be supported by each MX100D Direct Connect Edition kit (additional MX100S kits required). Multiple MX100D kits supported by vSpace Server, maximum users per host computer limited by the available slots for the MX100D PCIe card

HARDWARE SPECIFICATIONS

HARDWARE SPECIFICATIONS	DESCRIPTION
PROCESSOR	Second generation Numo [®] 2 SoC provides full screen video streaming
SIZE	Primary client 270mm (w) x 80mm (d) x 35mm (h) Satellite client 75mm (w) x 75mm (d) x 25mm (h)
VIDEO RESOLUTION	800x600, 1024x768, 1280x800, 1280x1024, 1360x768, 1440x900, 1920x1080
AUDIO	16-BIT Stereo DAC via standard 3.5mm speaker port
MICROPHONE	16-BIT mono microphone audio input via standard 3.5mm microphone port
MOUSE & KEYBOARD	Support for USB 2.0 mouse and keyboard devices (HID devices)
USB 2.0	Primary client 3 x USB 2.0 ports for peripheral & keyboard/mouse Satellite client 3 x USB 2.0 ports for peripheral & keyboard/mouse
WEIGHT	Primary client 0.24 kg / 0.53 lbs Satellite client 0.06 kg / 0.13 lbs
KIT SHIPPING WEIGHT	0.86KG / 1.9 LBS (includes 3 client devices, PCIe-powered network card, documentation, 3 VESA mount plates and 2 USB A-B cables)
POWER & HOST COMPUTER INTERFACE	Cat 5e/6 cable to Primary client (max cable length 20m). Power via PoE from the PCIe card. No external power supply required. (Cat 5e/6 cable not included)
FRONT LED INDICATORS	Primary client Power LED - Blue when PoE is ok LAN LED - Solid blue when connected to LAN; blinking when communicating Satellite client Status LED - Solid blue when connected to primary client
SATELLITE LINK CABLES	USB 2.0 Printer cable between the primary client and each of the satellite clients (2x 2 meter USB A-B cable included)
INTERNAL HW	NComputing Numo2 System-on-Chip; Solid-state design, no moving parts, no fans, no local user storage; Embedded NComputing firmware (no local user OS)
RELIABILITY	Reliability (MTBF) >250,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40°C)
CERTIFICATIONS	FCC Class A, CE, KCC and RoHS compliant