

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.

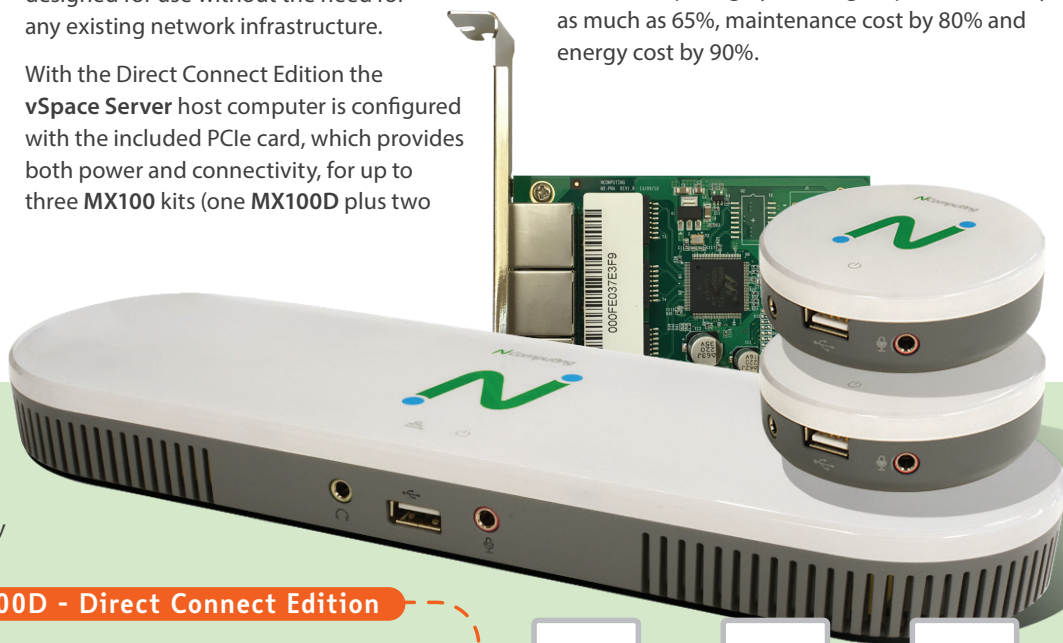
With the Direct Connect Edition the **vSpace Server** host computer is configured with the included PCIe card, which provides both power and connectivity, for up to three **MX100** kits (one **MX100D** plus two

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:

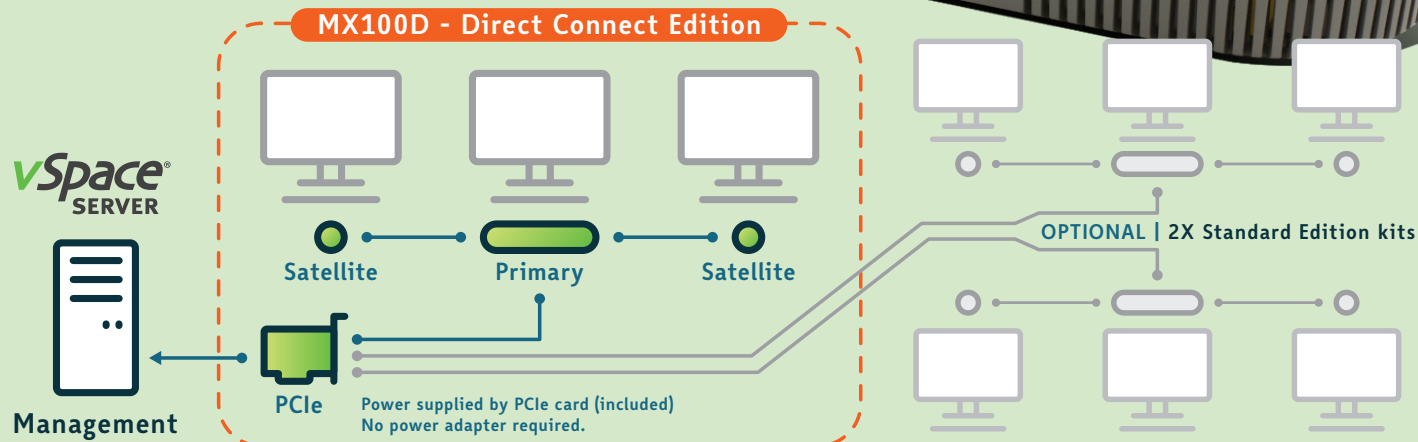
- **vSpace Server's** ability to deliver Windows desktops to multiple users from a single computer.
- With a single cable for power and connectivity the total requirement for cables is reduced by 50%

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

Satellite: Front



Satellite: Back



Primary: Front



Primary: Back



FEATURES

UP TO 9 USERS PER KIT

DESCRIPTION

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

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