DATASHEET

MX100S Standard Edition

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

*The NComputing **MX100S** provides a high performance, low cost computing solution for a simple, powerful & affordable desktop computing alternative.*

Key Features & Benefits

- Each **MX100** kit includes 3 client devices (primary and two satellites)
- Share one computer with up to 45 users
- 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 and secure
- Compact and reliable (no fans or disks)
- Managed by integrated **vSpace** management software

As the industry's premier 3-in-1 thin client offering, each **MX100S** Standard 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. Multiple **MX100S** Standard Edition kits and a single **vSpace Server** can deliver Windows desktops for up to 45-users at fraction of the cost of PCs and typical thin-clients. 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.

Ideal for workgroup computing, classrooms, computer labs, training rooms, libraries and small business, the **MX100S** Standard Edition, delivers innovation combined and incredible value to customers with a simple, powerful and highly affordable desktop computing solution.

The **MX100S**: Standard edition (3-users kit) comes bundled with *NComputing* **vSpace Server** licenses.

Multiple **MX100S** kits can be deployed on an existing LAN infrastructure to deliver Windows desktops to up to 45 users from a single **vSpace Server**.

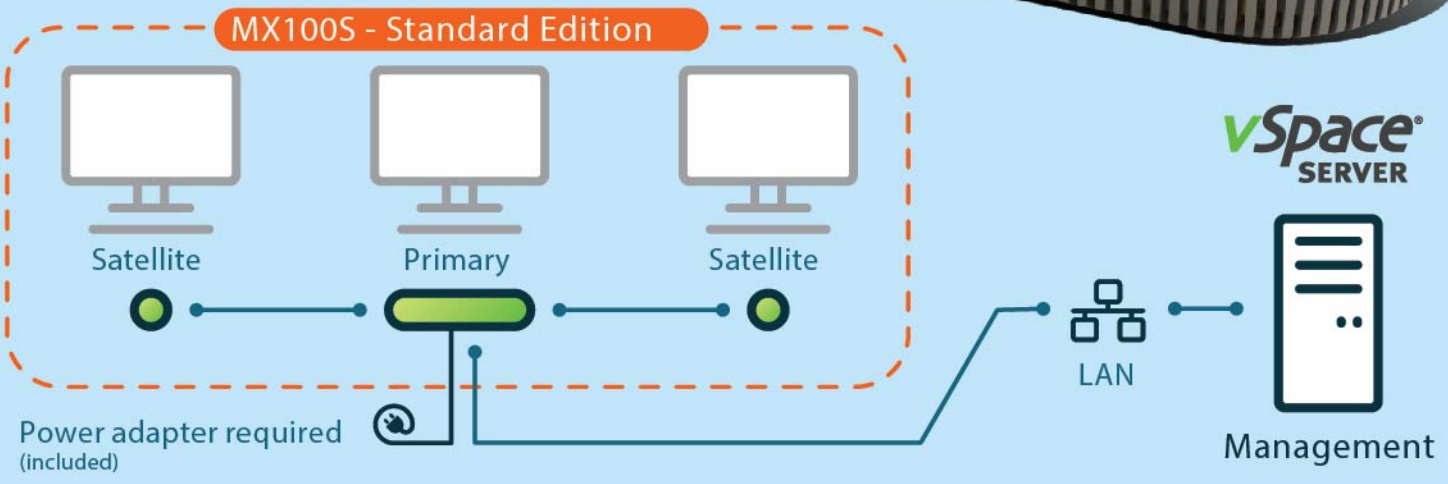
Benefit from superior multimedia capabilities, USB peripheral support and the highest number of users per host computer—all at a very affordable price. The economics improve even more with:

- vSpace® Server's ability to deliver Windows desktops to multiple users from a single computer.
- With a single power adapter and network cable for all three, cables are reduced by one-third

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%.

MX100S: Standard edition

Connect to up to 45 users to a single **vSpace Server** anywhere on LAN.



MX-series: MX100S Standard edition

Included:

- 1X primary device
- 2x satellite devices
- Power supply with power cord
- 3x monitor mount brackets
- 2x 6-foot satellite link cables (USB Type-A to USB Type-B)
- Quick install guide
- **vSpace Server** installation rights.

FEATURES	DESCRIPTION
UP TO 45 USERS PER HOST	Fewer PC's to manage and lower annual operating costs
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 and 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	45

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)	
NETWORK	10/100/1000 Mb/s Ethernet speed support (100Mb/s speed or higher preffered)	
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	1.06KG / 2.34 LBS (includes 3 client devices, power adapter, documentation, 3 VESA mount plates and 2 USB A-B cables)	
POWER	Input: 100-240 VAC, 50-60 Hz ;Output: 12 VDC, 1.5 A; Nominal power consumption: ~6 W (without peripheral USB devices)	
FRONT LED INDICATORS	Primary client	Power LED - Blue when power supply 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 includeed)	
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	

Connections

1. Headphones (audio-out)
2. USB 2.0
3. Microphone (analog-in)
4. Satellite 3 link
5. Satellite 3 VGA
6. DC Power
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

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WSI Wordtext Systems, Inc.

To inquire, please call or email:

+63 2 8858 5555 / +63 2 7625 5900 • sales@wsiphil.com.ph

Metro Manila WSI Corporate Center, 1005 Metropolitan Avenue, Makati City, Philippines 1205 • **Fax** +63 2 8858 5511 • **Email** sales@wsiphil.com.ph
Cebu 38 V. Sotto Street, Brgy. Tinago, Cebu City • **Tel** +63 32 255.1012 to 14 • **Fax** +63 32 255 1011 • **Email** sales@wsiphil.com.ph
Davao Unit 11 Plug Holdings Bldg. 141 R. Castillo Street Agdao, Davao City 8000 • **Tel** +63 82 284 0098 • **Fax** +63 82 300.7463 • **Email** sales@wsiphil.com.ph