Multiple users control many USB-enabled PC, SUN and MAC computers

- Equipped with OSD, Liquid Crystal Display, and RS232.
- Rackmount is standard on all UNIMUX-nXm-U models.
- Dedicated microprocessors prevent computers from locking up, ensuring reliable control.
- Fully compliant with USB standards (1.0, 1.1).
- The advanced OSD user interface with password security makes the UNIMUX USB KVM Matrix Switch simple and reliable to use in Enterprise data centers.
- Computers can be shared or used exclusively.
- Crestron® compatible.

UNIMUX-4X16-U (Front and Back)

The UNIMUX™ VGA USB KVM Matrix Switch allows multiple users to individually command or simultaneously share many USB computers. Access USB-enabled PC, SUN, and MAC computers using USB keyboards and mice, and VGA multiscan monitors.

USB host computers and USB devices can be hot-plugged or removed at any time. Allows any USB device (keyboard and/or mouse) to control any attached USB host computer. International keyboard layouts are supported in auto-detection mode, or can be manually selected via the On Screen Display (OSD) menu.

Specifications

Hosts

- Female 15-pin HD and female USB Type B connectors.
- Supports USB-enabled PC, SUN and MAC computers with VGA video.
- Multiplatform support: Windows 7/8/10/11, Windows Server 2008/2012/2016/2019/2022, Solaris, Linux, FreeBSD, and MAC OS 10/11/12/13.
- Supports MAC soft (keyboard) power-on.
- Any legacy PS/2 or SUN computer can be connected by using a USB-PS2-R or USB-SUN-R adapter.

Monitor

- Crisp and clear 1920x1200 resolution.
- Female 15-pin HD connectors.
- A multiscan VGA monitor is required to display the different video outputs from different platforms.
- Bandwidth is 150 MHz.

Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C)
- Storage temperature: -22°F to 140°F (-30°C to 60°C)
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS
- TAA compliant

Devices

- Female USB Type A connectors for keyboards and mice.
- Compatible with most USB keyboards and mice, including Microsoft USB Intellimouse®, Logitech Cordless Elite Duo keyboard and mouse, Gyration keyboard/mouse, Crystal Vision keyboard with touchpad, and iKey DI-5K USB.
- Keyboard and mouse are hot-pluggable.
- USB MAC and SUN startup keys are supported on all platforms of input devices.
- Keystrokes are translated across platforms.

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power consumption: 10W
- Use the PWR-48V-5V2A DC-DC power converter to install the UNIMUX-nXm-U in a Telecom environment.
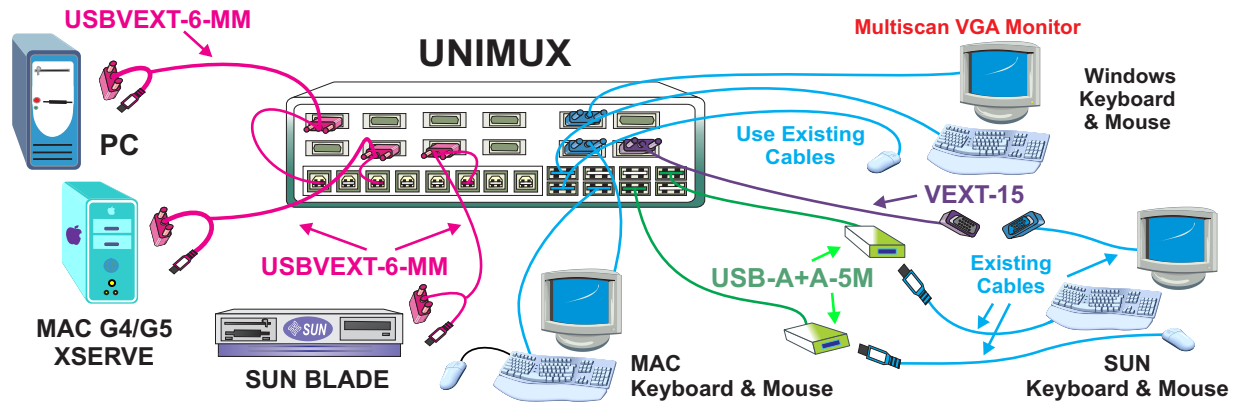
Warranty

- Two years

MTBF			
NTI Part #	Hours	NTI Part #	Hours
UNIMUX-2X8-U	58,644	UNIMUX-4X16-U	50,289
UNIMUX-8x8-U	41,112		

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Multiple users control many USB-enabled PC, SUN and MAC computers

Configuration and Cable Illustration

Control Methods

Front Panel Interface

- Locally change ports with front panel buttons.
- Use front panel buttons to move through LCD screens and execute actions.
- LCD indicates currently selected port for each user.
- Use buttons to configure RS232 control.
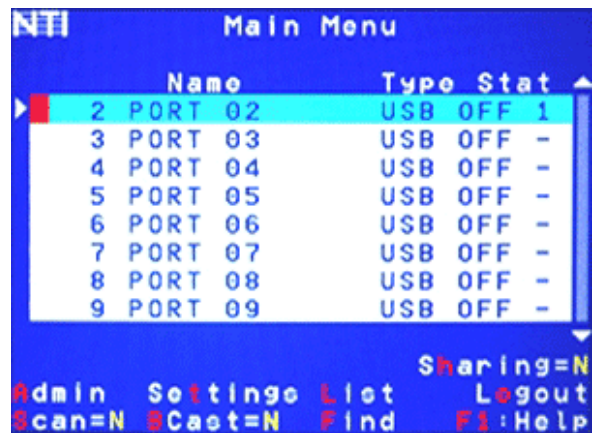 - Change baud rates for RS232.

Keyboard

- Type **<Ctrl> + <`>** to go into **Command Mode.**
- Press **<ESC>** to leave **Command Mode** and return to **Normal Mode.**
- Use the keyboard to command the switchbox to select ports or configure the **Scan, Sharing** and **Broadcast Modes.**
  - **Normal Operating Mode** allows the user to directly operate the selected computer with a transparent presence of the NTI switch.
  - **Sharing Mode** allows users to share the same computer.
  - **Command Mode** allows the user to give instructions to the switch through their keyboard. Keystrokes are not passed to the computer.
  - **Scan Mode** feature causes the switch to automatically and sequentially display the video from each selected powered on computer for a duration of 2-255 seconds (programmable by the user).
  - **Broadcast Mode** allows the user's keystrokes to be sent to all selected powered on computers.

On Screen Display (OSD)

- Select or list computers by name or port number.
- Port names can be up to 12 characters long.
- OSD is controlled by using the keyboard and mouse.
- Help Screens assist users with the OSD.
- Displays the power status of each computer.
- OS and software-independent.
- OSD comes built into the switch, no need to install additional hardware or software.

Security

- Advanced security included with switch.
- Each user password and name can be up to 13 characters long, and each switch can store up to 63 users.
- Administrator can enable or disable all security features and select which computers each user can access.
- Once security is enabled, a user or administrator must login in order to access any of the computers connected to the switch.

USB KVM Matrix Switch Models				
NTI Part #	# of Users (n)	# of CPUs (m)	Rack Units	Rack Size WxDxH (in)
UNIMUX-2X8-U	2	8	1RU	19x10x1.75
UNIMUX-4X16-U	4	16	2RU	19x10x3.5
UNIMUX-8X8-U	8	8	3RU	19x12x5.25