

# HIGH DENSITY VGA USB KVM SWITCH

Control up to 32 USB computers with one USB keyboard, USB mouse & VGA monitor



UNIMUX-USBV-16HDU (Front and Back)

## Available Options:

- **USB connector for touchscreen, SMART Board™ Interactive Whiteboards, CAC reader, or other device.**
- **Extender port for connecting a remote user 300 feet away via CAT5.**

## Features & Applications

The UNIMUX™ High Density USB KVM Switch allows a user to control up to 32 USB computers with one USB keyboard, USB mouse and VGA monitor. Dedicated internal microprocessors emulate keyboard and mouse presence to each attached CPU 100% of the time so all computers boot error-free.

- The High Density Switch saves rack space
  - 4-, 8- and 16-port switches are 1RU in height.
  - 32-port switch is 2RU in height.
  - Rackmount kit included.
- Features NTI's patented true autoboot USB switching – all attached computers can be booted simultaneously.
- Compatible with USB computers (PC, SUN and MAC).
- Crisp and clear 1920x1200 video resolution.
- Fully compliant with USB 1.1 standards.
- High quality construction.
- Cascade UNIMUX switches off a single master switch to control up to 1,024 computers as if from one switch.
- Flash upgradeable.
- Cabling runs are simplified with NTI's high density KVM switch cables.
- Optional support for a USB 1.1 device, in addition to keyboard and mouse, such as a USB touch screen monitor, SMART Board™ Interactive Whiteboards, or CAC card reader.
- Optional extender port for locating a remote user up to 300 feet via CAT5/5e/6 cable.
  - Only one user can be active at a time.
  - Locked out user must wait five seconds after last keystroke or mouse movement from active user.
  - For switches with the additional USB port option, the remote user does not have access to the extra USB device.

## Specifications

### Hosts

- Female 15-pin HD connectors.
- Supports USB computers with VGA video.
- Multiplatform support: Windows 2000/XP/Vista/Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- Any legacy PS/2 or SUN computer can be connected by using a USB-PS2-R or USB-SUN-R.

### Monitor

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

### Devices

- Two female USB Type A connectors.
- Compatible with most USB keyboards and mice, including Microsoft USB Intellimouse®
- Keyboard and mouse are hot-pluggable.
- Available with an optional female USB Type A connector for an additional USB 1.1 device.
  - Use to connect a USB touch screen monitor, CAC card reader, or other USB devices.

### Regulatory Approvals

- CE, RoHS

### Power

- 110 or 220 VAC at 50 or 60 Hz via IEC connector.
- Available power cord lengths: 1/1.5/3/6 feet

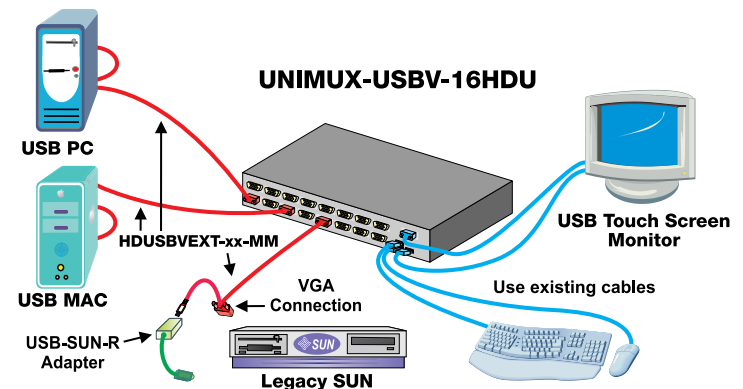
### Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C)
- Storage temperature: -20°F to 140°F (-30°C to 60°C)
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

### Warranty

- Two years.

## Configuration and Cable Illustration



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## Built-In Control Methods

### Keyboard

- **Scan, Broadcast** or **Command Modes** are available from the keyboard.
- Use the keyboard to command the switch box to select ports or configure the **SCAN** delay.

### Front Panel Interface

- Touch a button and be connected to a computer, or change modes of operation.
- LEDs indicate currently selected port and mode of operation.

### RS232 Control

- Female RJ45 connector.
- Baud rate 1200 to 115200.
- Address up to 15 units, all of which can be daisy-chained and controlled by one serial port.

### Commands

- CS – connects output with specific input.
- RO – reads what input is connected to output.
- RU – reads size of switch.

### On Screen Display (OSD)

- Select computers by name with the On Screen Display (OSD).
- Use keyboard or mouse to operate the switch from menus superimposed onto the monitor.
- Shows names of computers on cascaded switches up to 1024 ports.
- Names can be up to 12 characters long.
- Power status of each computer is displayed.
- View usage statistics – power-on cycles and hours of usage.
- Help screens assist users with the OSD.
- Modify the size and position of the OSD.
- OSD is built into the switch – no need to install additional hardware or software.
- OS and software-independent.

### Security

- Advanced security included.
- Each user password can be up to 15 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.

## Ordering Specifications

This example explains the NTI part by breaking it down into the available options. When ordering, choose the options that you require.

UNIMUX - <sup>Universal Serial Bus Version</sup> **USBV** - <sup>Number of Ports</sup> **x** <sup>High Density</sup> **HD** <sup>Optional USB Port</sup> **U** <sup>Optional Extender Port</sup> **C5**

### High Density VGA USB KVM Switch Models

NTI Part #	# of CPUs (x)	Desktop Size WxDxH (in)	Rack Units	Rack Size WxDxH (in)
UNIMUX-USBV-4HD	4	16.7x6.8x1.75 (without supplied rackmount kit)	1RU	19x6.8x1.75 (with supplied rackmount kit)
UNIMUX-USBV-8HD	8	16.7x6.8x1.75 (without supplied rackmount kit)	1RU	19x6.8x1.75 (with supplied rackmount kit)
UNIMUX-USBV-16HD	16	16.7x6.8x1.75 (without supplied rackmount kit)	1RU	19x6.8x1.75 (with supplied rackmount kit)
UNIMUX-USBV-32HD	32	N/A	2RU	19x10x3.5

### Cables

- Interface cables between your computers and the switch are required for proper operation. Use HDUSBVEXT-xx-MM to connect computers to switch.
- Cables not included.

### USB KVM Receiver (Remote Unit) For use with switch with extender port option

NTI Part #	Maximum Extension (ft.)	Dimensions WxDxH (in.)
ST-C5USBV-R-300	300	3.5x3.1x1.3



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