

CAC READER AND TOUCHSCREEN COMPATIBLE USB KVM SWITCH

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



**High Density Switch –
16 Ports in 1RU**

UNIMUX-USBV-16HDU (Front and Back)

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 USB PCs, MACs and SUNs can be booted simultaneously.
- Compatible with USB-enabled PC, SUN and MAC computers.
- Crisp and clear 2048x1536 video resolution.
- Fully compliant with USB 1.1 standards.
- USB MAC and SUN start-up keys are supported.
- Supports MAC soft (keyboard) power-on.
- SUN extra keys are emulated on USB keyboards with Windows keyboard layouts.
- Supports international keyboard layouts in auto-detection mode.
- 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 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.

Specifications

Hosts

- Female 15-pin HD connectors.
- Supports USB-enabled PC, SUN and MAC 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.

Power

- 110 or 220 VAC at 50 or 60 Hz via IEC connector.

Dimensions

- 4-, 8- and 16-port switches WxDxH (in):
 - 16.7x6.8x1.75 (without supplied rackmount kit)
 - 19x6.8x1.75 (with supplied rackmount kit)
- 32-port switches WxDxH (in): 19x10x3.

Monitor

- Crisp and clear 2048x1536 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.

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Specifications (Continued)

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.

Environmental

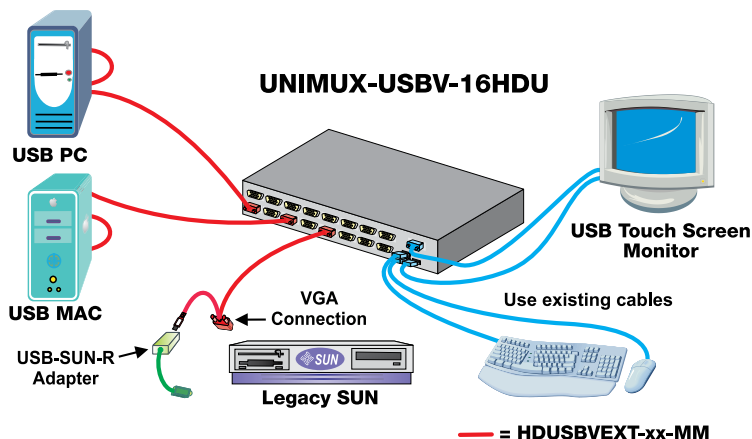
- Operating temperature: 32°F to 100°F (0°C to 38°C)
- Storage temperature: -20°F to 140°F (-30°C to 60°C)
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years.



Built-In Control Methods

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 300 through 9600, DIP switch selectable.
- Use DIP switches to address up to 15 units, all of which can be daisy-chained and controlled by one serial port.
- Seven segment displays show what input is connected to each output.#
- **Commands**
 - RS - causes switch to reset so that IN1 connects to OUT1, IN2 connects to OUT2.
 - CS - causes one INx/OUTx connection to occur.
 - CA - causes all inputs to connect to specified output.
 - RO - reads what input is connected to specified output.
 - RU - reads size of matrix, reports number of inputs and number of outputs on specified switch.

On Screen Display (OSD)

- Select computers by name with the On Screen Display (OSD) option.
- Use keyboard or mouse to operate the switch from menus superimposed onto the monitor.
- Shows names of computers on cascaded switches up to 152 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.
- Helps screens assists 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 with OSD option.
 - Each user password 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.



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High Density USB KVM Switches

NTI Part #	# of CPU's	Rack Units
UNIMUX-USBV-4HD	4	1RU
UNIMUX-USBV-8HD	8	1RU
UNIMUX-USBV-16HD	16	1RU
UNIMUX-USBV-32HD	32	2RU

High Density USB KVM Switches with Additional USB Connector

NTI Part #	# of CPU's	Rack Units
UNIMUX-USBV-4HDU	4	1RU
UNIMUX-USBV-8HDU	8	1RU
UNIMUX-USBV-16HDU	16	1RU
UNIMUX-USBV-32HDU	32	2RU

High Density USB KVM Switches with Extender Port for Remote User

NTI Part #	# of CPU's	Rack Units
UNIMUX-USBV-4HDC5	4	1RU
UNIMUX-USBV-8HDC5	8	1RU
UNIMUX-USBV-16HDC5	16	1RU
UNIMUX-USBV-32HDC5	32	2RU

USB KVM Receiver (Remote Unit)

NTI Part #	Maximum Extension (ft.)	Dimensions WxDxH (in.)
ST-C5USBV-R-300	300	3.5X3.1X1.3

