

High Density DVI USB KVM Switch: 4-, 8-, 16-, and 32-Port UNIMUX™

Control up to 32 single link DVI USB computers with one USB keyboard, USB mouse & DVI monitor

- 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.
- Incorporates NTI's patented true autoboot USB switching; all attached USB PCs, SUNs and MACs can be booted simultaneously.
- Supports video resolutions up to 1920x1200.
- Supports digital DVI for crisp and clear video quality on flat panel display.
- Control the switch through the front panel interface, keyboard commands or RS232.
- Compliant with USB 2.0 (low/full speed) standards.
- High quality, rugged steel construction with durable powder coat finish.
- USB SUN start-up keys are supported.
- Supports MAC soft (keyboard) power-on.
- Cabling runs are simplified with NTI's high density KVM switch cables.



UNIMUX-DVI-16HD (Front & Back)

The UNIMUX™ High Density DVI USB KVM switch allows you to control up to 32 single link DVI USB computers with one DVI-D monitor, USB keyboard and USB mouse.

Specifications

Hosts

- Female HDMI-A connectors.
- Supports USB-enabled computers (PC, SUN, and MAC) with DVI video.
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD and MAC OS 9/10.

Monitor

- Supports crisp and clear video resolution up to 1920x1200.
- One female DVI-I connector.
- Single link DVI-D signal.
- DDC2B compatible.

Devices

- Two female USB Type A connectors.
- Provides support for full-speed (12 Mbps) or low-speed (1.5 Mbps) USB keyboard and mouse.
- Compatible with most USB keyboards and mice, including USB IntelliMouse®.
- Keyboard and mouse are hot-pluggable.
- Supports SUN and MAC extra keys.

Power

- 110 or 220 VAC at 50 or 60 Hz via IEC connector.
- Power consumption: 10W

MTBF

- UNIMUX-DVI-4HD: 262,851 hrs
- UNIMUX-DVI-8HD: 217,508 hrs
- UNIMUX-DVI-16HD: 160,996 hrs

Dimensions

- 4-, 8-, 16-port switches WxDxH(in):
 - 15.2x6x1.75 (without supplied rackmount kit)
 - 19x6x1.75 (with supplied rackmount kit)
- 32-port switch WxDxH(in):
 - 15.3x6x3.5 (without supplied rackmount kit)
 - 19x6x3.5 (with supplied rackmount kit)

Cables

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

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: 17 to 90% non-condensing RH.

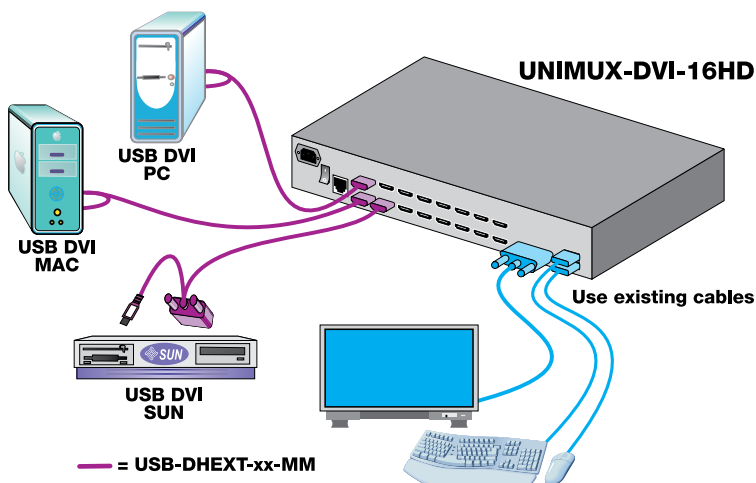
Regulatory Approval

- CE, RoHS

Warranty

- Two years

Configuration and Cable Illustration



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Control Methods

Front Panel Interface

- LEDs indicate currently selected port and mode of operation.
- Hold in any button for more than five seconds to go into **Scan**, **Broadcast** or **Command Mode**.
 - In **Normal Operating Mode**, the user can directly operate the selected computer with transparent presence of the NTI switch.
 - **Scan Mode** automatically and sequentially displays the video from each powered on computer for 2-255 seconds.
 - **Broadcast Mode** allows the user's keystrokes to be sent to both powered on computers. (Broadcast Mode is not available for MACs.)
 - **Command Mode** allows the user to give instructions to the switch through his/her keyboard. Keystrokes are not passed to the computer.

Keyboard

- **Scan**, **Broadcast** or **Command Modes** are available from the keyboard using hot keys.
- Use the keyboard to command the switch box to select ports or configure the **Scan** delay.
- Type <Ctrl>+<'> (or <Compose>+<'>) to go into Command Mode.
- Press <Esc> to leave **Command Mode** and return to **Normal** or **Scan Mode**.

RS232 Control

- Female RJ45 connector.
- Baud rate 2400, 9600, 19200, or 38400.
- Use DIP switches to set the baud rate and address up to 16 units, all of which can be daisy chained and controlled by one serial port.
- 5-foot CAT5e patch cable, RJ45F-DB9F and RJ45F-DB25F adapters included.
- **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.

High Density USB DVI KVM Switches

NTI Part #	# of CPUs (x)	Desktop Size WxDxH (in) without supplied rackmount kit	Rack Size WxDxH (in) with supplied rackmount kit
UNIMUX-DVI-4HD	4	15.2x6x1.75	19x6x1.75
UNIMUX-DVI-8HD	8	15.2x6x1.75	19x6x1.75
UNIMUX-DVI-16HD	16	15.2x6x1.75	19x6x1.75
UNIMUX-DVI-32HD	32	15.3x6x3.5	19x6x3.5

Compatible Cables

Cable/Length (ft.)	Description
USB-DHEXT-3/6/10/15-MM	DVI-D Male + USB Type A Male to HDMI-A Male Interface Cable