High Density VGA USB KVM Switch with Optional Additional Transparent USB Connectors

UNIMUX™

Control up to 32 USB computers with one USB keyboard, USB mouse & VGA 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.
- 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 (WUXGA) video resolution.
- Equipped with OSD, RS232, and Ethernet.
- High quality steel construction.
- Flash upgradeable.
- Cabling runs are simplified with NTI’s high density KVM switch cables.
- Available options:
  - Two transparent USB ports
  - Supports any two USB 1.1 (low/full speed) devices, in addition to keyboard and mouse, such as a touch screen monitor, interactive white board, or CAC card reader.
  - USB only switches – no VGA video.

UNIMUX-USBV-xHDUT (Front & Back)

Available options:
- High Density Switch – 16 Ports in 1RU
- Two transparent USB connectors for USB touch screen monitors, CAC card readers, interactive whiteboards, etc.
- USB only switches – no VGA video

The UNIMUX™ High Density VGA 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.

Specifications

Hosts
- Female 15-pin HD connectors.
- Supports USB computers with VGA video.
- 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.

Power
- 110 or 220 VAC at 50 or 60 Hz via IEC connector. (Country-specific power supply cable included.)

Dimensions
- 4-, 8- and 16-port switches WxDxH (in):
  - 16.66x7.58x1.75 (without supplied rackmount kit)
  - 19x7.58x1.75 (with supplied rackmount kit)
- 32-port switches WxDxH: 19x10.17x3.5 in (483x258x89 mm)

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/storage relative humidity: 5 to 90% non-condensing RH.

Devices
- Two female USB Type A connectors for keyboard and mouse.
  - Compatible with most USB keyboards and mice, including Microsoft USB Intellimouse®, Logitech Cordless Elite Duo keyboard/mouse, Gyration keyboard/mouse, Crystal Vision keyboard with touchpad, and IKEY combo keyboard/touchpad.
  - Keyboard and mouse are hot-pluggable.
- UNIMUX-USBV-xHDUT: two additional transparent female USB Type A connectors for USB 1.1 (low/full speed) devices – USB touch screen monitor, CAC card reader, interactive whiteboard, barcode scanner, etc.
  - Connect any type of USB device – fully transparent USB connectors.
  - Switch USB 1.1 devices between connected computers.

Regulatory Approvals
- CE, RoHS
- TAA compliant

Warranty
- Two years

Compatible NTI Products
- Use NTI’s KVM extenders for complex applications
  - Transparent USB Extender with VGA Video (ST-CSUSBVT)

Cables
- Interface cables between your computers and the switch are required for proper operation. (Cables not included)
  - Use HDUSBVEXT-xx-MM to connect computers to the switch.
  - Use USB male A to female A cables with HDUSBVEXT-xx-MM to extend USB beyond 15 feet.
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Specifications (continued)

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Control Methods

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.

Ethernet Control
- Female RJ45 connector.
- 10/100 BaseT Ethernet interface.
- Supported protocol: Telnet.
- Control can be done over Telnet.

Telnet
- Commands are similar to RS232 commands.
- The telnet server listens on port 2005 (configurable).
  - Port 2005 is intended for a software control type session.

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.

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.

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### Ordering Specifications

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

### High Density VGA USB KVM Switch Models

<table>
<thead>
<tr>
<th>NTI Part #</th>
<th># of CPUs (x)</th>
<th>Desktop Size WxDxH (in)</th>
<th>Rack Units</th>
<th>Rack Size WxDxH (in)</th>
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<td>16.7x6.8x1.75 (without supplied rackmount kit)</td>
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<td>1RU</td>
<td>19x6.8x1.75 (with supplied rackmount kit)</td>
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<td>UNIMUX-USBV-32HD</td>
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<td>2RU</td>
<td>19x10x3.5</td>
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