# VGA Video Switch with Audio and RS232 Control Options

## VIDMUX®

## Share one monitor among multiple PCs.

- Compatible with PCs, SUNs and MACs with VGA video.
- Supports resolutions up to 1920x1200.
- Eliminate redundant monitors.
- Ideal for classrooms and boardrooms.
- Interconnect NTI switches & splitters for complex applications.
- Available with audio and/or RS232 control options.
- Monitors and speakers are hot-pluggable.
- Rackmount kit included with the 4/8-port video-only models and the 4/8/16-port audio/video models. Optional rackmount case available for the 16-port video-only switch.



**VIDMUX® SE-AV-8-RS (Front & Back)**

The VIDMUX® VGA video switch enables up to 16 computers to be connected to a single video monitor, projector or LCD/plasma screen.

## Specifications

### For 2-port Models

#### Video
- Crisp and clear 1920x1200 resolution.
- Bandwidth: 150 MHz.
- 15-pin HD connectors (See ordering specifications for gender.)

#### Power
- 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power consumption: 5W

#### Control
- Touch button on front with LED indication of port selection.
- Optional RS232 control.

#### MTBF
- SE-15V-2-2C1U: 88,015 hrs
- SE-15V-2-2U1C: 88,231 hrs

#### Regulatory Approvals
- CE, RoHS

#### Dimensions
- WxDxH(in): 8x6.2x2.6

### For 2-port-TTL Models

#### Video
- Crisp and clear 1920x1200 resolution.
- Bandwidth: 150 MHz.
- 15-pin HD connectors (See ordering specifications for gender.)

#### Power
- 110 to 220 VAC at 50 or 60 Hz via AC adapter.
- Power consumption: 5W

#### Control
- Female 9-pin D connector for remote control.
  - Pin 1 = Ground.
  - Pin 2 = TTL or contact closure signal.

#### MTBF
- SE-15V-2-2C1U-TTL: 87,403 hrs
- SE-15V-2-2U1C-TTL: 87,616 hrs

#### Regulatory Approvals
- CE, RoHS

### For 4-16 Port Models

#### Video
- Crisp and clear 1920x1200 resolution.
- Bandwidth: 150 MHz.
- Female 15-pin HD connectors.

#### Power
- 110 or 220 VAC at 50 or 60 Hz via IEC connector.
- Power consumption:
  - 4-port and 8-port: 5W
  - 16-port: 10W

#### Control
- Touch buttons on front with LED indication of port selection.
- Scan Mode automatically and sequentially displays the video from each powered-on computer.
- Optional RS232 control.

| MTBF | | | |
|------|------|------|------|
| **NTI Part #** | **Hours** | **NTI Part #** | **Hours** |
| SE-15V-4-L | 81,837 | SE-15V-8-RS | 73,669 |
| SE-15V-4-RS | 79,445 | SE-15V-16-L | 71,329 |
| SE-15V-8-L | 75,871 | SE-15V-16-RS | 72,276 |

#### Dimensions
- SE-15V-4-L/RS and SE-15V-8-L/RS WxDxH (in):
  - 10.9x6x1.75 (without supplied rackmount kit)
  - 19x6x1.75 (with supplied rackmount kit)
- SE-AV-4-L/RS and SE-AV-8-L/RS WxDxH (in):
  - 15.3x6x1.75 (without supplied rackmount kit)
  - 19x6x1.75 (with supplied rackmount kit)
- SE-15V-16-L/RS WxDxH (in): 10.9x6x3.5
- SE-15V-16-L/RS-R WxDxH (in): 19x6x1.75
- SE-AV-16-L/RS WxDxH (in):
  - 15.3x6x3.5 (without supplied rackmount kit)
  - 19x6x3.5 (with supplied rackmount kit)
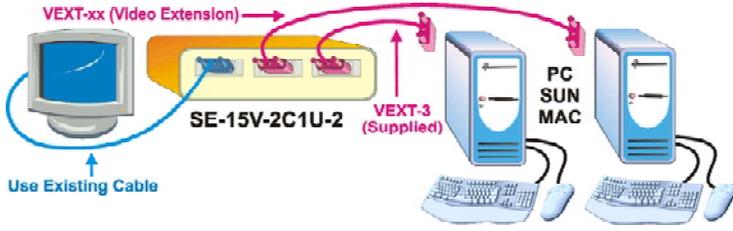
#### Regulatory Approvals
- CE, RoHS

# VGA Video Switch with Audio and RS232 Control Options

## Share one monitor among multiple PCs.

### Configuration and Cable Illustration



### Audio Option

- 3.5mm stereo audio jacks for inputs and output.
- Input impedance: 10k Ohms.
- Maximum input level: 2.5 Vp-p.
- Maximum load: 32 Ohms.
- Signal-to-Noise Ratio (SNR): >92 dBA
- Frequency Response: 20 Hz to 20 kHz, ±0.5 dB.
- Total Harmonic Distortion + Noise: <0.06% at 1kHz.
- Requires powered speakers or headphones.
- CD quality audio output.

## Ordering Specifications

This example explains the VIDMUX (2-port) switch part number by breaking it down into the available options. When ordering, choose the options that you require.

**SE - 15V - 2 - 2C1U - TTL**

Number of Computers and Monitors: 2C1U
Option: TTL

2C1U = 2 Computers, 1 Monitor
2U1C = 2 Monitors, 1 Computer

TTL = TTL Control Method
A = Audio
RS = RS232

### VGA Video Switch Models (2 Ports)

| NTI Part# | Description | 15 HD Connectors |
|---|---|---|
| SE-15V-2-2C1U | 2 Computers, 1 Monitor | 2 Male, 1 Female |
| SE-15V-2-2U1C | 2 Monitors, 1 Computer | 2 Female, 1 Male |

This example explains the VIDMUX (4-, 8-, or 16-port) switch part number by breaking it down into the available options. When ordering, choose the options that you require.

**SE - 15V - x - L - RS R**

Video-Only or Audio/Video Switch: 15V
Number of Inputs: x
Local Control Method: L
Optional Control Method: RS
Optional Rackmount Enclosure: R

15V = Video Only
AV = Audio/Video

"x" = 4, 8, 16

RS = RS232
IR = Infrared

Only available on 16-port switch

- Delete the "L" from the NTI part number for remote push button control for 4 to 16-port units.

### VGA Video Switch Models (4, 8, or 16 Ports)

| NTI Part# | Description | # of Ports |
|---|---|---|
| SE-15V-4-L | 1 monitor, 4 computers | 4 |
| SE-15V-8-L | 1 monitor, 8 computers | 8 |
| SE-15V-16-L | 1 monitor, 16 computers | 16 |

### Audio Video Switch Models (4, 8, or 16 Ports)

| NTI Part# | Description | # of Ports |
|---|---|---|
| SE-AV-4-L | 1 monitor, 1 set of speakers, 4 computers | 4 |
| SE-AV-8-L | 1 monitor, 1 set of speakers, 8 computers | 8 |
| SE-AV-16-L | 1 monitor, 1 set of speakers, 16 computers | 16 |

## Cables

### Cables for 2-port and -TTL Models

- A three-foot multicoax cable is provided for connecting your computer to the 2-port switch.
- Interface cables between additional computers and the switch are required for proper operation. (Cables not included.)
- Audio cables required for audio option: SA-xx-MM.

### Cables for 4-16 Port Models

- Interface cables between computers and the switch are required for proper operation.
- Cables not included.