



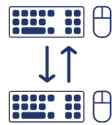
Secure KVM switch for sharing single-head DVI video, USB keyboard and mouse, plus analog audio between four computers spanning multiple security classification levels.

ADDERView® Secure switches enable a KVM plus audio desktop to be shared between different classification level computers. Designed for superior usability, the switches feature configurable LED buttons and a real-time status display.

## ADDERView® Secure AVS 2114

Secure

### Features



#### Uni-Directional Data Paths

Uni-directional optical diodes ensure data paths travel in only one direction to prevent data leakage through shared peripherals. A uni-directional structure also protects against timing analysis or forced malfunction attacks, and prevents computers influencing the operation of any common circuitry.



#### Channel Identification

Reduce the chance of operator error by displaying a name for each channel and its security classification on the E-paper display. The color of the channel LED may also be configured to reflect the security classification.



#### Non-Reprogrammable Firmware

Firmware is permanently stored in non-reprogrammable read only memory (ROM) to prevent modification, and cannot be accessed by any port. A self-test at power-up verifies its integrity, and if a critical failure is detected, the device is disabled and provides a clear visual indication to the user.



#### Video Performance

Up to 1920x1200 at 60Hz for graphic intensive applications, requiring very high quality.



#### Uni-Directional Video

Video inputs are isolated through separate electronic components and power. The display is isolated by a dedicated, read-only, EDID (Extended Display Identification Data) emulation for each computer, and access to the EDID and MCCS (Monitor Control Command Set) commands are blocked.



#### No Shared RAM Between Channels

The keyboard and mouse processor is powered down and reset at each switchover to stop shared RAM leakages. All data buffers are actively cleared once they have been used.



#### Automatic Switching (Configuration)

Free-flow KVM and audio control between ports without the need to press any buttons. Simply move the mouse between windows.



#### Hardware Anti-Tampering

Holographic anti-tampering labels protect the product's enclosure, providing a clear visual indication if it has been opened or compromised.



#### Restricted USB Function

The USB ports will only accept HID (Human Interface Devices), such as keyboards and mice. Other devices, such as USB storage drives, are actively prohibited.



#### Audio Hold

Assign the audio port to a specific computer while switching the KVM to other computers. Useful when a user needs to listen to audio from one computer, while working on another.



#### Uni-Directional Audio

Enforces computer-to-speaker, one-way flow of sound through uni-directional optical data diodes. Prevents eavesdropping and line-in re-tasking by blocking speaker-to-computer communication.



#### Industry Recognized

NIAP PP 4.0 Certified and TAA Compliant

<b>Video Information (1 Screen)</b>	
Maximum Resolution (1 Screen)	1920 x 1200
Frame Rate (1 Screen)	60
Color Depth (1 Screen)	8 bpc
<b>Computer Connections</b>	
USB B	4x 2.0, HID Emulation
DVI-D	4x
<b>Console Connections</b>	
USB A	2x 2.0, HID Emulation
DVI-D	1x
<b>Serial Ports</b>	
Serial Connection	1x RS232
Serial Connection Type (console)	RJ12 (6p6c)
<b>Audio Connections</b>	
Audio Type	Analog
Channels	2x
Audio Direction	Output only
Audio In Port	1x 3.5mm jack
Audio Out Port	1x 3.5mm jack
<b>Network Support</b>	
10/100 Support	No
<b>Environmental</b>	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	-20 to 60 °C / -4 to 140 °F
Operating Humidity (%)	0% - 80% (non-condensing)
Storage Humidity (%)	0% - 80% (non-condensing)
Temperature Regulation	Fanless
<b>Power Source</b>	
12V 3-pin	1x
Input Power Supply	PSU 2.5A
Power Additional Information	100 - 240V AC, 47/63Hz12V DC 30W output from power supply unit
<b>Physical Design</b>	
Construction Material	Robust metal construction

<b>Width (mm) / (in.)</b>	344 / 13.5
<b>Height (mm) / (in.)</b>	44 / 1.7
<b>Depth (mm) / (in.)</b>	171 / 6.7
<b>Weight (kg) / (lb)</b>	1.6 / 3.5
<b>Front Panel Features</b>	
<b>Multi color status LEDs</b>	4x
<b>E-Paper Display</b>	1x
<b>Audio Hold</b>	1x
<b>Compatibility</b>	
<b>OS Compatibility</b>	Windows, Linux, macOS, All known operating systems
<b>Approvals and Standards</b>	
<b>Approvals</b>	CE, cTUVus, FCC, UKCA
<b>Standards</b>	EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN63000, FCC pt15B
<b>Other</b>	EU REACH, NIAP PP 4.0, UK REACH



### What's in the Box?

1x 4 port switch

1x Power supply unit with universal mains cable

1x Quick start guide

### Ordering Information

AVS-2114                      ADDERView Single head secure 4-port switch

### Related Accessories (Sold Separately)

ADDER® Secure Card Reader

ADDER® VSCD11 HDMI®/DVI-D Cable

ADDER® Secure Remote Control Unit

ADDER® VSC24 USB Cable

ADDER® Rackmount Kit RMK13

ADDER® DVI-D Single-Link Cable

Adder and the Adder logo are trademarks of Adder Technology Ltd, Cambridge, UK. All other trademarks are the property of their respective owner and may be registered in the United States Patent and Trademark Office and in other countries. Information contained in this data sheet is up-to-date and correct as at the date of issue. As Adder Technology cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of planned use. Images are for illustrative purposes only. Adder reserves the right to make changes to this specification without notice.