



Secure multi-viewer switch for sharing KVM, plus analog audio between four computers spanning multiple security classification levels.

The ADDERView® Secure multi-viewer switch is designed to give operators managing mission-critical systems, simultaneous real-time access of up to four computers from a single KVM workstation. Users can instantly take control of the target PC by simply moving the mouse between windows.

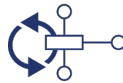
ADDERView® Secure AVS 1124 - Multi-

Features



Video Performance

Up to UHD 4K video output resolution is generated so the HD input signal quality is preserved - even in tile window layout.



Automatic Switching

Switch channels (KVM plus audio) easily by moving the mouse across the screen border while pressing the Ctrl key. This is a security feature to prevent accidental switching.



Channel Identification

Reduce the chances 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.



Flexible Screen Layout

Use preset window layouts, or move and resize windows, to create custom layouts. Dual output ports allow for extended or duplicated modes.



No Shared RAM Between Channels

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



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.



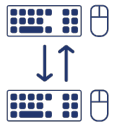
Audio Hold

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



Uni-Directional Video

Computer video input interfaces are isolated through use of separate electronic components and power. This display is isolated by a dedicated, read-only, EDID emulation for each computer. Access to the monitor's EDID and MCCS commands are blocked.



Uni-Directional USB and Audio

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.



Non-Reprogrammable Firmware

Firmware is permanently stored in non-reprogrammable Read Only Memory (ROM) to prevent modification, and cannot be accessed by any port. If a critical failure is detected, the device is disabled and provides a clear visual indication to the user.



Industry Recognized

NIAP PP 4.0 Certified and TAA Compliant

Video Information (1 Screen)		
Maximum Resolution (1 Screen)		UHD 4k (3840x2160) at 4:4:4
Frame Rate (1 Screen)		30
Color Depth (1 Screen)		8 bpc
Video Information (2 Screen)		
Maximum Resolution (2 Screens)		UHD 4k (3840x2160) at 4:4:4
Frame Rate (2 Screens)		30
Color Depth (2 Screen)		8 bpc
Video Additional Information		
Video Additional Information		The system supports input resolutions up to HD (1920 x 1200). It generates output resolutions up to UHD 4K (3840 x 2160 @ 30Hz).
Computer Connections		
USB B		4x 2.0, HID Emulation
DVI-D		4x
Console Connections		
USB A		2x 2.0, HID Emulation
HDMI®		2x
Serial Ports		
Serial Connection		1x RS232
Serial Additional Information		For remote control
Serial Connection Type (console)		RJ12 (6p6c)
Audio Connections		
Audio Type		Analog
Channels		2x
Audio Direction		Output only
Audio Out Port		1x 3.5mm jack
Network Support		
10/100 Support		No
Environmental		
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)

Mean Time Between Failure (MTBF)	91,000 h
Warranty	2 y
Temperature Regulation	Fanless
Power Source	
12V 3-pin	1x
Input Power Supply	PSU 2.5A
Power Additional Information	100 - 240V AC, 47/63Hz 12V DC 30W output from power supply unit
Power Consumption	
Maximum Power (Watts)	30
Maximum Power (Volts)	12
Maximum Power (Current)	2.5
Physical Design	
Construction Material	Robust metal construction
Width (mm) / (in.)	344 / 13.5
Height (mm) / (in.)	44 / 1.7
Depth (mm) / (in.)	171 / 6.7
Weight (kg) / (lb)	1.6 / 3.5
Front Panel Features	
Multi color status LEDs	4x
E-Paper Display	1x
Audio Hold	1x
Compatibility	
OS Compatibility	Windows, Linux, macOS
Approvals and Standards	
Approvals	CE, cTUVus, FCC, ICES, RCM, UKCA
Standards	ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B
Other	Cal Prop 65, China ROHS, EU REACH, NIAP PP 4.0, UK REACH



What's in the Box?

1x 4-port multi-viewer switch

1x Power supply unit with universal mains cable

1x Quick start guide

Ordering Information

AVS-1124 ADDERView Secure 4-port multi-viewer switch

Related Accessories (Sold Separately)

ADDER® Secure Card Reader

ADDER® Secure Remote Control Unit

ADDER® CCS-XB

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