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-Viewer

Video Performance

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

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.

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.

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.

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.

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.

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.

Hardware Anti-Tampering

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

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 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.

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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