# CS1182 / CS1184
2/4-port USB DVI Secure KVM Switch

● The CS1182/CS1184 is NIAP-certified and passed the Evaluation Assurance Level 2 (EAL2+) requirements for Peripheral Sharing Switch (PSS) for Human Interface Devices (HIDs) Protection Profile v2.1, satisfying the latest security requisites set by the U.S. Department of Defense for peripheral switches. Compliance ensures maximum information security while sharing a single set of HIDs (keyboards, mouse, speakers, etc.) between multiple computers. Conformity with Protection Profile v2.1 certifies that other USB peripherals cannot be connected to the console ports of the CS1182/CS1184, and that only a keyboard and mouse are accommodated, therefore providing high-level security, protection and safekeeping of data.
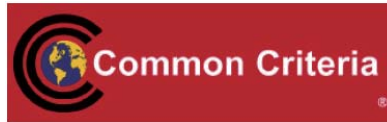
Hardware security includes tamper-evident tape, chassis intrusion detection, and tamper-proof hardware, while software security includes restricted USB connectivity – non HIDs (Human Interface Devices) are ignored when switching – an isolated channel per port that makes it impossible for data to be transferred between secure and unsecure computers, and automatic clearing of the keyboard buffer.

By combining physical security with controlled USB connectivity, the CS1182 / CS1184 gives you the means to consolidate multiple workstations of various security classification levels with one keyboard, monitor and mouse (KVM) console.

Note:
1. The National Information Assurance Partnership (NIAP) is a United States government initiative to meet the security testing needs of IT consumers and manufacturers. It is operated by the National Security Agency (NSA) and the National Institute of Standards and Technology (NIST).
2. The CS1182/CS1184 additionally satisfies Evaluation Assurance Level 2+ (EAL2+) requirements for Peripheral Sharing Switch (PSS) for Human Interface Devices Protection Profile v2.1.

CS1182

CS1184

Advantages

NIAP Common Criteria
- PPv2.1 security requirements
- EAL2+ Security Assurance Level

Multilayered security
- Chassis Intrusion Detection – renders the CS1182/1184 inoperable when malicious tampering is detected
- Tamper-evident tape – indicates any attempt to physically access the switch's internal components
- Non-reprogrammable ROM – prevents reprogramming the switch's firmware
- Restricted USB connectivity – non-HIDs are ignored when switching

Channel Isolation
- Isolated channel per port – data cannot be transferred between computers

Cleared keyboard buffer
- Switch's keyboard data is automatically deleted after it has been transmitted

Features

- 2/4-port USB DVI Dual-Link Secure KVM Switch
- Port selection via Pushbutton only (OSD, hotkey methods are not allowed) to enhance security
- One USB console controls 2/4 secure computers
- NIAP-certified – validated to Common Criteria EAL2+ security requirements
- Restricted USB connectivity – non HIDs (Human Interface Devices) are ignored when switching
- Isolated channel per port – makes it impossible for data to be transferred between computers
- Tamper-evident tape – provides a visual indication of any attempt to gain access to the switch's internal components
- Chassis intrusion detection – if the cover is removed from the switch, the unit becomes inoperable and the LEDs flash
- Tamper-proof hardware – all integrated circuits are soldered directly to the circuit board to prevent tampering with the components
- Non-reprogrammable ROM – prevents tampering and attempts to reprogram the switch's firmware
- Clears keyboard buffer – keyboard data is automatically cleared after transmission to the switch
- Video DynaSync™ – stores the console monitor's EDID (Extended Disp optimize display resolution
- Multiplatform support – Windows, Linux, Mac, and Sun
- Superior video quality – 2560 x 1600 (DVI Dual Link); 1920 x 1200 (DVI Single Link) and 2048 x 1536 (DVI-A)
- Rugged metal enclosure
- Built-in internal power
- Speaker and microphone support
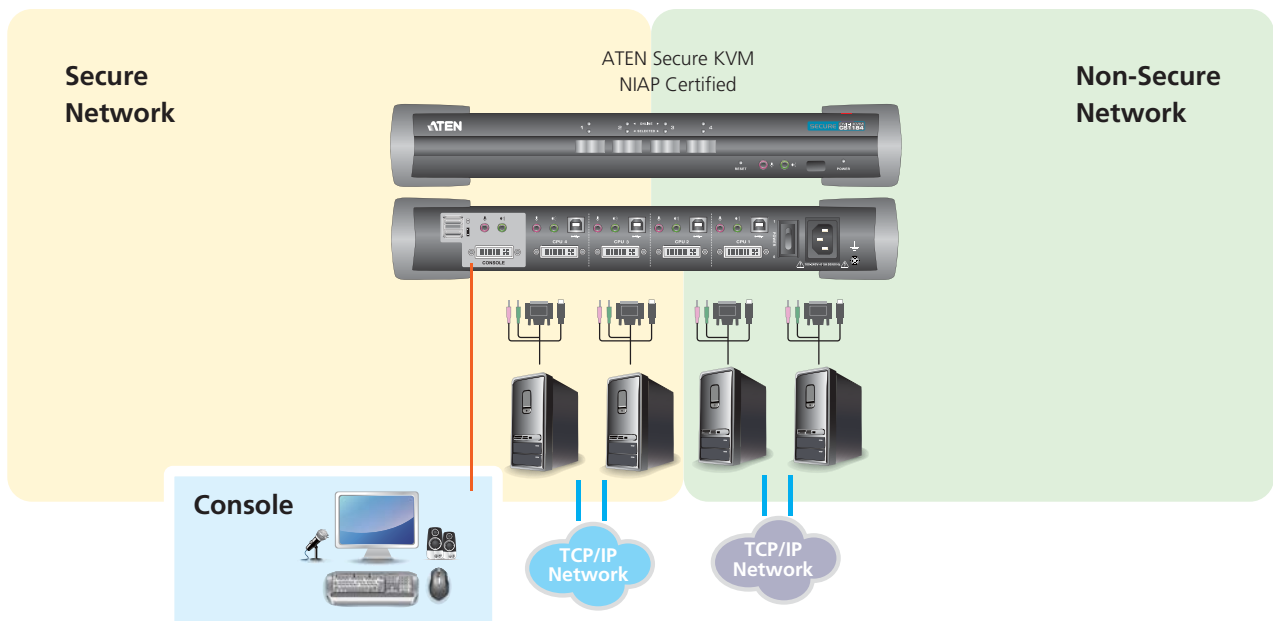
Networks Operating on Different Security Classification Levels

Recommended Cables

The DVI-D KVM cable sets which are specifically designed to work with this switch are not supplied in the package and require a separate purchase.

Type	Length	Part Number
USB DVI-D Dual Link Cables	1.8 m	2L-7D02UD
	3.0 m	2L-7D03UD
	5.0 m	2L-7D05UD

Specification

Function					CS1182	CS1184
Computer Connections					2	4
Port Selection					Pushbutton	
Connectors	Console Ports	Keyboard			1 x USB Type-A Female (Black)	
		Video			1 x DVI-I Dual Link Female (White)	
		Mouse			1 x USB Type-A Female (Black)	
		Audio	Speaker		2 x Mini Stereo Jack Female (Green;1 x front panel, 1 x rear panel)	
			Microphone		2 x Mini Stereo Jack Female (Pink;1 x front panel, 1 x rear panel)	
	KVM Ports	Keyboard			2 x USB Type-B Female (Black)	4 x USB Type-B Female (Black)
		Video			2 x DVI-I Dual Link Female (White)	4 x DVI-I Dual Link Female (White)
		Audio	Speaker		2 x Mini Stereo Jack Female (Green)	4 x Mini Stereo Jack Female (Green)
			Microphone		2 x Mini Stereo Jack Female (Pink)	4 x Mini Stereo Jack Female (Pink)
	Power				1 x 3-prong AC Socket	
Switches	Port Selection				2 x pushbuttons	4 x pushbuttons
	Reset				1 x Semi-recessed Pushbutton	
	Power				1 x Rocker	
LEDs	Power				1 (Blue)	
	On Line				2 (Green)	4 (Green)
	Selected				2 (Orange)	4 (Orange)
Emulation	Keyboard / Mouse				USB	
Video					DVI Dual Link: 2560x1600; DVI Single Link: 1920x1200 DVI-A: 2048x1536	
I/P Rating					100–240V AC; 50/60 Hz; 0.5A	
Power Consumption					120V / 5.1 W; 230V / 5.1W	120V / 6.1W; 230V / 5.7W
Environment	Operating Temp.				0–40°C	
	Storage Temp				-20–60°C	
	Humidity				0–80% RH, Non-condensing	
Physical Properties	Housing				Metal	
	Weight				2.06 kg	2.10 kg
	Dimensions (L x W x H)				34.90 x 16.90 x 6.09 cm	34.90 x 16.90 x 6.09 cm

* The specificationss and pictures are subject to change without notice.