CS1182/CS1184

2/4-Port USB DVI Secure KVM

The ATEN CS1182/CS1184 2/4-Port USB DVI Dual-Link Secure KVM Switches offers secure and reliable access for any government/military desktop environment where security is imperative by providing safe switching between computers operating on different secure networks. NIAP-certified according to Common Criteria's EAL2+ certification, the CS1182/CS1184 provides 2-port/4-port models for secure desktop workstation use.

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.

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

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⟫ *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
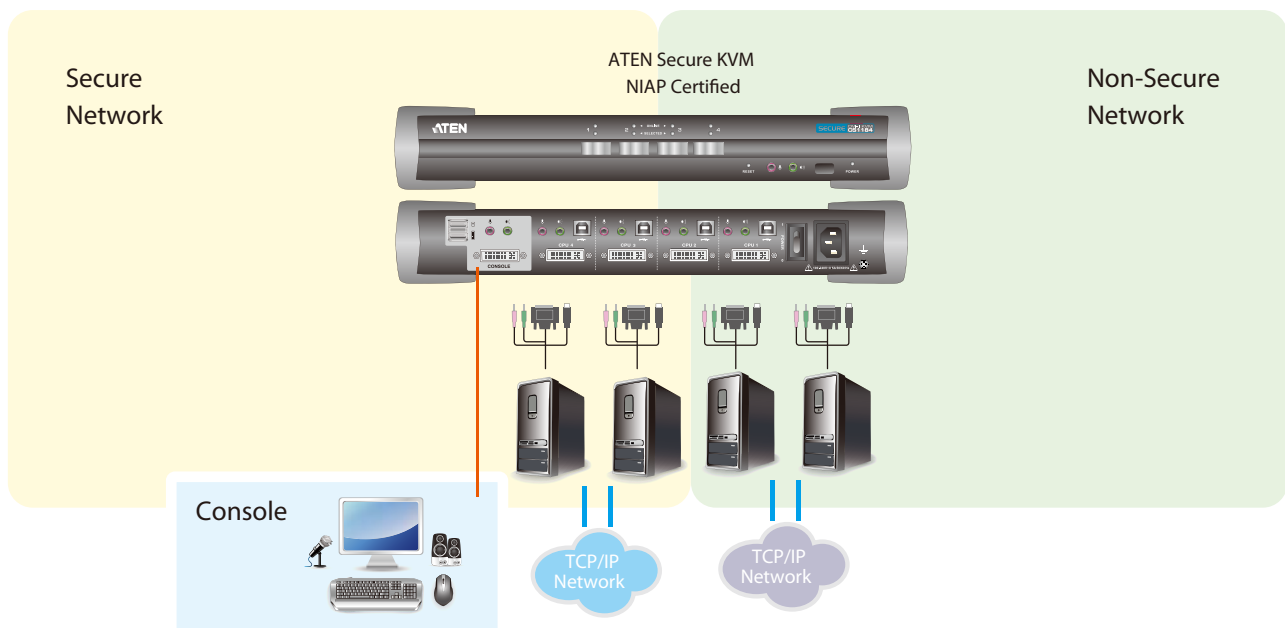
Networks Operating on Different Security Classification Levels

⟫ *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	6 ft	2L7D02UD
	10 ft	2L7D03UD
	16 ft	2L7D05UD

⟫ 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 / Mouse			2 x USB Type-B Female (White)	4 x USB Type-B Female (White)
		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.				0–40ºC	
	Storage Temp				-20–60ºC	
	Humidity				0–80% RH, Non-condensing	
Physical Properties	Housing				Metal	
	Weight				4.54 lbs	4.62 lbs
	Dimensions (L x W x H)				34.9 x 16.9 x 6.06 cm	