Simply Better Connections

CS1184

4-Port USB DVI Secure KVM Switch

The ATEN CS1184 4-Port USB DVI Dual-Link Secure KVM Switch 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 CS1184 provides 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 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 CS1184 additionally satisfies Evaluation Assurance Level 2+ (EAL2+) requirements for Peripheral Sharing Switch (PSS) for Human Interface Devices Protection Profile v2.1

Common Criteria

Features

- 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 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 Display Identification Data) to 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

Specifications

Computer Connections	4
Port Selection	Pushbutton
Connectors	
Console Ports	2 x USB Type-A Female (Black) 1 x DVI-I Dual Link Female (White) 2 x Mini Stereo Jack Female (Green;1 x front panel,1 x rear panel) 2 x Mini Stereo Jack Female (Green;1 x front panel,1 x rear panel)
KVM Ports	4 x USB Type-B Female (White) 4 x DVI-I Dual Link Female (White) 4 x Mini Stereo Jack Female (Green) 4 x Mini Stereo Jack Female (Pink)
Power	1 x 3-prong AC Socket
Switches	
Port Selection	4 x Pushbuttons
Reset	1 x Semi-recessed Pushbutton
Power	1 x Rocker
LEDs	
Power	1 (Blue)
Online	4 (Green)
Selected	4 (Orange)
Emulation	
Keyboard / Mouse	USB
Video	DVI Dual Link: 2560x1600; DVI Single Link: 1920x1200 DVI-A: 2048x1536
Maximum Input Power Rating	100–240V AC; 50/60 Hz; 0.5A
Power Consumption	120V / 6.1W; 230V /5.7W
Environmental	
Operating Temperature	0-40°C
Storage Temperature	-20-60°C
Humidity	0 - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	2.10 kg (4.63 lb)

Dimensions (L x W x H)	34.90 x 16.90 x 6.09 cm (13.74 x 6.65 x 2.4 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com

© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their respective owners.