

# CS1184D4C

4-Port USB DVI Secure KVM Switch with CAC (PSD PP v4.0 Compliant) - TAA



ATEN PSD PP v4.0 Secure KVM Switch CS1184D4C is specifically designed to meet the stringent security requirement of secure defense and intelligence installations. ATEN PSD PP v4.0 Secure KVM Switch CS1184D4C is compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) standard certified by the National Information Assurance Partnership (NIAP).

ATEN PSD PP v4.0 Secure KVM Switch CS1184D4C provides isolation between computer sources and peripherals while sharing a single keyboard, mouse, monitor, speaker set, and Common Access Card (CAC) reader between connected computers of various security classifications. Compliance with PSD PP v4.0 ensures peripheral sharing capabilities provide maximum user data security when switching port focus, preventing unauthorized data flows or leakage between connected sources. Key protections include isolation and unidirectional data flow, restricted peripheral connectivity and filtering, user data protection, configurable device filtration and management, strict audio filtration, and always-on tamper-proof design, keeping sensitive assets isolated and providing advanced security and a user friendly design for instantly secure deployment.

To enhance security, ATEN PSD PP v4.0 Secure KVM Switch CS1184D4C only offers manual switching methods including front panel pushbuttons and <u>Remote Port Selector (RPS)</u><sup>1</sup>. With multi– layered security, ATEN PSD PP v4.0 Secure KVM Switch CS1184D4C ensures high-level desktop security and data safekeeping for applications such as government and military agencies, healthcare providers, banking and finance institutions, and other organizations that often handle sensitive or confidential data on separate networks.

Note: 1. The Remote Port Selector is not supplied in the package and requires a separate purchase.









#### Features

#### NIAP Common Criteria Compliant

· Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements

#### Multi-Layered Security

- · Always-on chassis intrusion detection renders the ATEN PSD PP v4.0 Secure KVM Switch series inoperable when physical tampering is detected
- Tamper-evident labels provides visual indication of any attempt to access the ATEN PSD PP v4.0 Secure KVM Switch's internal components
- Non-reprogrammable firmware prevents reprogramming the ATEN PSD PP v4.0 Secure KVM Switch's firmware
  Restricted peripheral connectivity non-authorized HIDs (Human Interface Devices), video, or authentication device connections are rejected
- Port selection via pushbuttons / <u>Remote Port Selector</u> (RPS) <sup>1</sup> only to enhance security LED indicators for peripheral filtering and KVM security status Strict audio filtration protects against audio leakage.

- Rugged metal enclosure

#### · Data Channel Isolation and Unidirectional Data Flow

- True data path isolation data cannot be transferred between computers
- The ATEN PSD PP v4.0 Secure KVM Switch controls and isolates data flow between console devices and connected computers
  Unidirectional data flow between console devices and the selected computer is ensured
- $\,\circ\,$  Supports analog audio (speaker only)  $^2$

#### User Data Protection

• The ATEN PSD PP v4.0 Secure KVM Switch's keyboard / mouse data is automatically deleted after transmission and automatically purged when the KVM port focus is switched

#### Security Management

- · Supports administrative configuration of CAC Port filtering to accept or reject specific USB authentication devices
- Supports administrative configuration of keyboard / mouse ports filtering to reject specific USB HID devices
- Provides administrative functions for authorized administrators to audit KVM log data
- Supports enable / disable CAC function by port

#### Superior Video Quality

- $_{\circ}~$  Superior video quality up to 4K (3840 x 2160 @ 30Hz)  $^{3}$
- Video DynaSync<sup>TM</sup> Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources
- 1. The Remote Port Selector is not supplied in the package and requires a separate purchase.
- 2. Only analog speaker data input is supported.

3. The DVI Secure KVM Switch series offers up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors / computers with ATEN DVI-to-HDMI KVM cables.

#### Specification

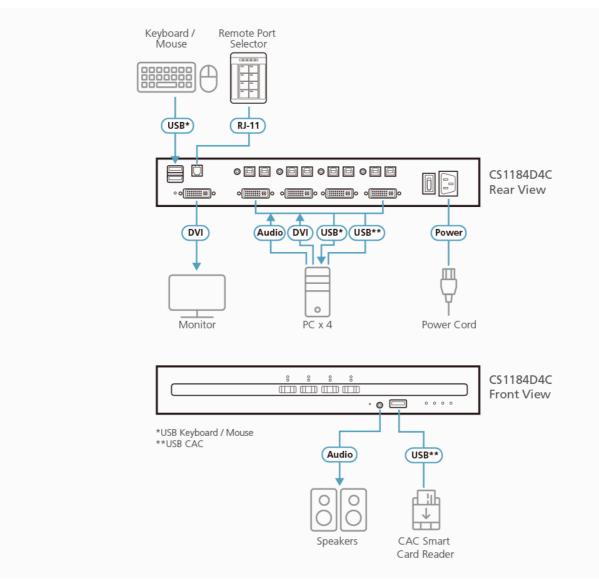
Computer Connections	4	
Port Selection	Pushbutton, Remote Port Selector	
Connectors		
Console Ports	1 x DVI-I Dual Link Female 2 x USB Type-A Female (White) 1 x Mini Stereo Jack Female (Green; front panel)	
KVM Ports	8 x USB Type-B Female (White) 4 x DVI-I Dual Link Female 4 x Mini Stereo Jack Female (Green)	
Power	1 x 3-prong AC Socket	
USB CAC Port	1 x USB Type-A Female (White; front panel)	
Remote Port Selector	1 x RJ-11 (Black; rear panel)	
Switches		
Port Selection	4 x Pushbuttons	
Reset	1 x Semi-recessed Pushbutton	



EBa        Pover      1 (Green)        Online / Selected (KVM      4 (Green)        Online / Selected (KVM      4 (Green)        Online / Selected (KVM      4 (Green)        Video      1 (Green)        Video      1 (Green)        Video      1 (Green)        Envideo      3 (Green)        Envideo      3 (Green)        Envideo      3 (Green)        Max: 3840 × 2160 @ 30 Hz (UHD)'        Dy Dual Link: 2560 × 1600: DVI Single Link: 1280 × 1200 DVI Dual Link: 2560 × 1600: DVI Single Link: 2560 × 1200        Max: 3840 × 2160 @ 30 Hz (UHD)'        Dy Dual Link: 2560 × 1600: DVI Single Link: 2560 × 1200        DVI Dual Link: 2560 × 1200 <th>Power</th> <th>1 x Rocker</th>	Power	1 x Rocker
Power      1 (Green)        Online / Selected (KVM      4 (Green)        Video      1 (Green)        Video      1 (Green)        Key Lock      3 (Green)        Enviation      Video        Video      USB        Video      Max. 38/0 x 2160 @ 30 Hz (UHD)"        DV Buil Link: 260 x 1200 @ DV Buil Link: 26		
Online / Selected (KVM Port)      4 (Orrange)        Online / Selected (CAC Port)      4 (Green)        Video      1 (Green)        Video      1 (Green)        Key Lock      3 (Green)        Emulation      1        Key Lock      0 (Green)        Useo      USB        Video      USB        Video      USB        Video      Dual Link: 2600 x 1600; DVI Single Link: 1200 x 1200        DVI single Link: 1200 x 1200      DVI single Link: 2600 x 1600; DVI Single Link: 1200 x 1200        Maximum Input Power Raiting      100-240V-; 50-60 Hz; 1A        Power Consumption      AC110V-8.6W/566FTU/h AC220V/8.9W/57FTU/h NAC220V/8.9W/57FTU/h Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in UM tas indicates the power consumption of the device with no external loading. The measurement in UM tas indicates the power consumption of the device with no external loading.        Environmental      O50°C        Storage Temperature      -40-60°C        Humidity      0 -60°S RH, Non-condensing        Physical Properties      -40-60°C        Humidity      1.80 kg (3.96 b)        Dimensions (L x W x H)      33.50 y 16.33 x 4.40 cm (13.13 y 6.45 x 1.73 in.)	LEDs	
Perify      And	Power	1 (Green)
Pertj      Image: Content of the second of the seco	Online / Selected (KVM Port)	4 (Orange)
Age      Age        Key Look      3 (Green)        Emulation      Emulation        Keyboard / Mouse      USB        Video      Max. 3840 x 2160 (9: 30 Hz (UHD)* DV Dual Link: 2560 x 1600: DV Dual Link: 2560 x 1600: DV Single Link: 1920 x 1200 DVI-A: 2048 x 1536        Maximum Input Power      for Single Link: 1920 x 1200 DVI-A: 2048 x 1536        Power Consumption      AC110V:8.6W:/6BBTU/h AC220V:8.9W:/67BTU/h Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading.        Environmental      Os0*C        Storage Temperature      0-50*C        Visital Properties      -20-60*C        Hundity      0-80% RH, Non-condensing        Physical Properties		4 (Green)
Image: Constraint of the second sec	Video	1 (Green)
Keybaard / Mouse      USB        Video      Max. 3840 x 2160 @ 30 Hz (UHD)* DV Duat Link: 2560 x 1600: DV Single Link: 1520 o        Maximum Input Power      100-240V-; 50-60 Hz; 1A        Rating      100-240V-; 50-60 Hz; 1A        Power Consumption      AC110V:8.0K-66BTUh AC220V.8.9W:67BTUh Mozie        Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTUh indicates the power consumption of the device when it is fully loaded.        Environmental      -        Operating Temperature      0-50°C        Storage Temperature      -20-60°C        Hundity      0 -80% RH, Non-condensing        Physical Properlies      -        Housing      Metal        Metal      1.80 kg (3.96 ib )        Dimensions (L x W x H)      33.50 x 16.39 x 4.40 cm (XM cables.        Video      * DVI Secure KVM Switches support up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors/computers with ATEN DVI-to-HDMI KVM cables.	Key Lock	3 (Green)
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## Diagram



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