

2/4/8-Port USB DVI / HDMI / DisplayPort Single/Dual Display Secure KVM Switch Series

PSD PP v4.0 Secure KVM Switch Series

ATEN PSD PP v4.0 Secure KVM Switches are specifically designed to meet the stringent security requirement of secure defense and intelligence installations. ATEN PSD PP v4.0 Secure KVM Switches are 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 Switches provide 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 fulfill different customer demands, ATEN PSD PP v4.0 Secure KVM Switches offer a wide range of options including 2-port, 4-port and 8-port models, CAC and Non-CAC models, and video interfaces including DisplayPort, HDMI, and DVI. ATEN PSD PP v4.0 Secure KVM Switches also provide customers with the flexibility to connect single or dual displays, providing superior video quality up to 4K UHD (3840 × 2160 @ 60 Hz)¹.

To enhance security, ATEN PSD PP v4.0 Secure KVM Switches only offer manual switching methods including front panel pushbuttons and Remote Port Selector (RPS)². With multi-layered security, ATEN PSD PP v4.0 Secure KVM Switches ensure high-level desktop security and data safekeeping for applications such as government and military agencies, healthcare providers, banking & finance institutions, and other organizations that often handle sensitive or confidential data on separate networks.

Note:

1. The HDMI Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 60 Hz.

The DisplayPort Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 30 Hz.

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.

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



CS1184DP4C Front View



CS1184DP4C Rear View



CS1142H4 Front View



CS1142H4 Rear View



CS1188D4C Front View



CS1188D4C Rear View



Features

- Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements
- Always-on chassis intrusion detection – renders the ATEN PSD PP v4.0 Secure KVM Switch series inoperable when physical tampering is detected
- Configurable Device Filtration – supports administrative configuration to filter specific USB authentication devices and USB HID devices
- Superior video quality – up to 4K (3840 x 2160 @ 60 Hz)¹
- Port selection via pushbuttons / Remote Port Selector (RPS)² only to enhance security
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources
- Supports enable / disable CAC function by port
- LED indicators for peripheral filtering and KVM security status
- Rugged metal enclosure
- Built-in internal power
- Supports analog audio (speaker only)³

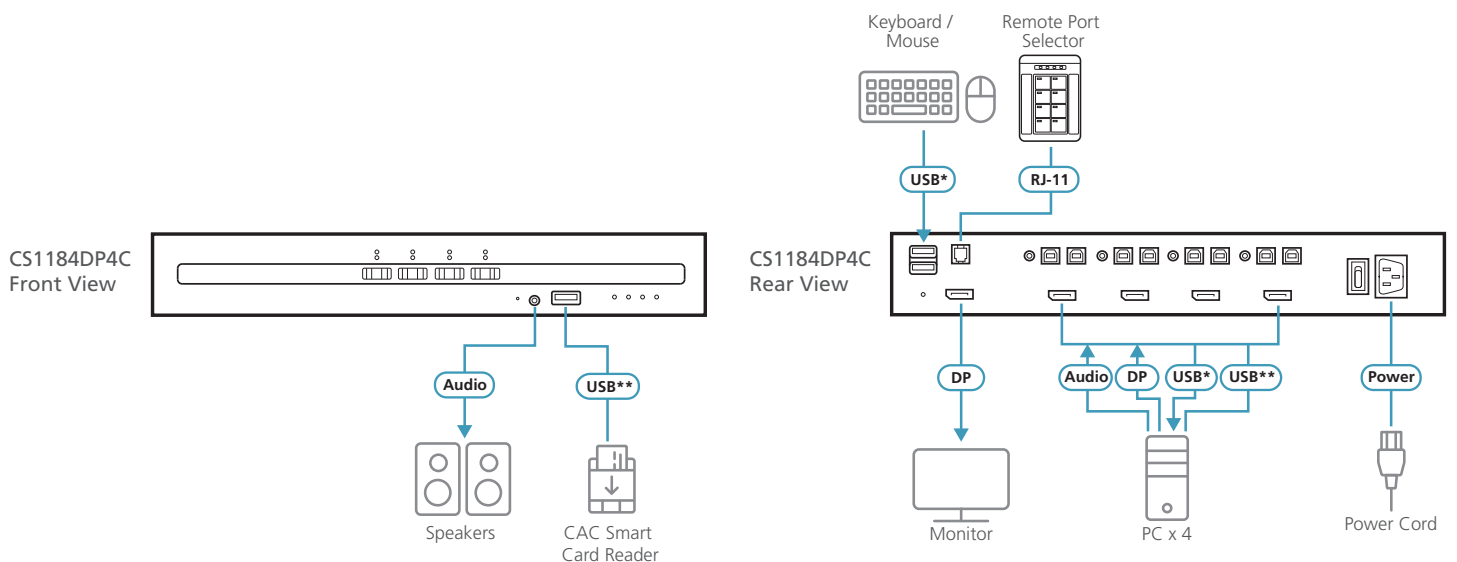
1. The HDMI Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 60 Hz. The DisplayPort Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 30 Hz. The DVI Secure KVM Switch series offers up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors / computers with ATEN DVI-to-HDMI KVM cables.
2. The Remote Port Selector is not supplied in the package and requires a separate purchase.
3. Only analog speaker data input is supported.

Highlights

NIAP Common Criteria Compliant	<ul style="list-style-type: none"> Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements
Multi-Layered Security	<ul style="list-style-type: none"> 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 HID's (Human Interface Devices), video, or authentication device connections are rejected Port selection via pushbuttons / Remote Port Selector (RPS)¹ 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	<ul style="list-style-type: none"> 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 Supports analog audio (speaker only)²
User Data Protection	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Superior video quality – up to 4K (3840 x 2160 @ 60 Hz)³ Video DynaSync™ – Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources

Note:

- The Remote Port Selector is not supplied in the package and requires a separate purchase.
- Only analog speaker data input is supported.
- The HDMI Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 60 Hz.
The DisplayPort Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 30 Hz.
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.



*USB Keyboard / Mouse
**USB CAC

Specifications

ATEN PSD PP v4.0 DisplayPort Dual Display Secure KVM Switches

	CS1142DP4	CS1144DP4	CS1148DP4
Computer Connections	2	4	8
Port Selection	Pushbutton, Remote Port Selector		
Connectors			
Console Ports	2 x DisplayPort Female (Black) 2 x USB Type-A Female (White) 1 x Mini Stereo Jack Female (Green; front panel)		
KVM Ports	2 x USB Type-B Female (White) 4 x DisplayPort Female (Black) 2 x Mini Stereo Jack Female (Green)	4 x USB Type-B Female (White) 8 x DisplayPort Female (Black) 4 x Mini Stereo Jack Female (Green)	8 x USB Type-B Female (White) 16 x DisplayPort Female (Black) 8 x Mini Stereo Jack Female (Green)
Power	1 x 3-prong AC Socket		
Remote Selector Port	1 x RJ-11 (Black; rear panel)		
Switches			
Port Selection	2 x Pushbuttons	4 x Pushbuttons	8 x Pushbuttons
Reset	1 x Semi-recessed Pushbutton		
Power	1 x Rocker		
LEDs			
Power	1 (Green)		
Online / Selected (KVM Port)	2 (Orange)	4 (Orange)	8 (Orange)
Video	2 (Green)		
Key Lock	3 (Green)		
Emulation			
Keyboard / Mouse	USB		
Video	Max. 3840 x 2160 @ 30 Hz (UHD)		
Maximum Input Power Rating	100–240V~; 50-60 Hz; 1A	100–240V~; 50-60 Hz; 1.5 A	100–240V~; 50-60 Hz; 1.5 A
Power Consumption	AC 110 V: 9.89 W AC 220 V: 10.19 W	AC 110V: 13.9 W AC 220V: 13.9 W	AC 110V: 24.4 W AC 220V: 24.2 W
Environmental			
Operating Temperature	0 – 50 °C		
Storage Temperature	-20 – 60 °C		
Humidity	0 - 80% RH, Non-condensing		
Physical Properties			
Housing	Metal		
Weight	2.07 kg	2.15 kg	3.18 kg
Dimensions (L x W x H)	33.50 x 16.39 x 6.55 cm	33.50 x 16.39 x 6.55 cm	43.24 x 20.49 x 6.55 cm