CS1144DP4CUN

4-Port USB DisplayPort/HDMI Dual Display Universal Secure KVM Switch Kit with CAC (PSD PP v4.0 Compliant)

CS1144DP4CUN1

HDMI to DisplayPort Dual Display Cable Kit **x4**   DisplayPort to HDMI Converter **x2**

The ATEN CS1144DP4CUN[1] / CS1144DP4CUN1[2] PSD PP v4.0 4-Port USB DisplayPort/HDMI Dual Display Universal Secure KVM Switch Kit with CAC contains one 4-Port USB DisplayPort Dual Display Secure KVM Switch with CAC CS1144DP4C plus corresponding adapter cables / converters, allowing IT managers to simultaneously connect computers / monitors with either DisplayPort or HDMI interface on the same KVM Switch for flexible deployment. The Universal Secure KVM Switch Kit is an ideal solution that accommodates evolving technology changes and system upgrades. This future-proof solution not only enhances operating productivity, but also increases device deployment flexibility while supporting resolutions up to 4K UHD with the adapter cables / converters included in the package.

ATEN PSD PP v4.0 Secure KVM Switch CS1144DP4C is specifically designed to meet the stringent security requirement of secure defense and intelligence installations. ATEN PSD PP v4.0 Secure KVM Switch CS1144DP4C 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 CS1144DP4C 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 CS1144DP4C only offers manual switching methods including front panel pushbuttons and Remote Port Selector (RPS) [3].With multi – layered security, ATEN PSD PP v4.0 Secure KVM Switch CS1144DP4C 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. Connect up to two HDMI sources via the HDMI to DP Cable Kit 2L-7D02UHDPX5 provided in the package (please purchase additional 2L-7D02UHDPX5 when more HDMI source connections are required).
Connect up to two HDMI monitors via the DP to HDMI converter VC986 provided in the package.
2. Connect up to four HDMI sources via the HDMI to DP Cable Set 2L-7D02UHDPX5 provided in the package (please purchase additional 2L-7D02UDPX5 when DP source connections are required). Connect up to two HDMI monitors via the DP to HDMI converter VC986 provided in the package.
3. 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 / 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
  - 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
  - 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
  - Superior video quality – up to 4K (3840 x 2160 @ 30Hz) [3]
  - Video DynaSync™ – 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.
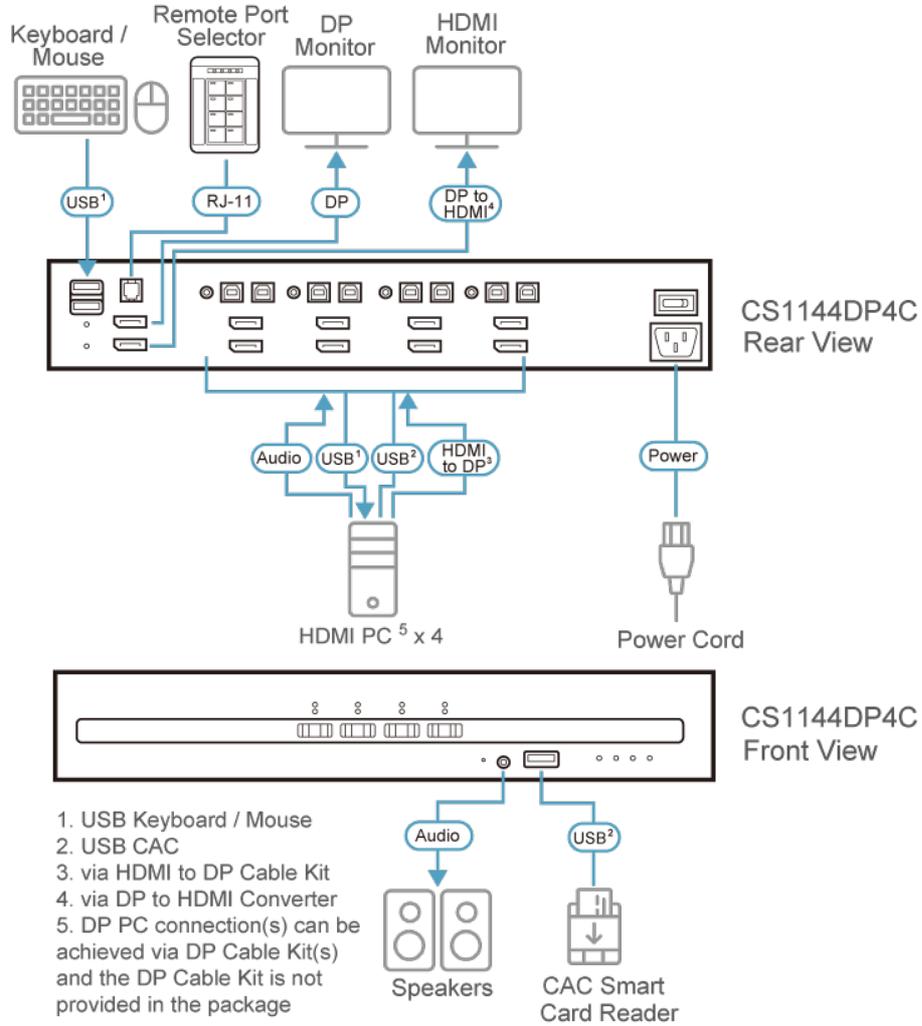   3. The DisplayPort Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 30 Hz.

Specifications

Function	CS1144DP4CUN	CS1144DP4CUN1
Computer Connections	4	4
Port Selection	Pushbutton, Remote Port Selector	Pushbutton, Remote Port Selector
Connectors		
Console Ports	Monitor - 2 x DisplayPort/HDMI Keyboard/Mouse - 2 x USB Type-A Female (White) Audio - 1 x Mini Stereo Jack Female (Green; front panel)	Monitor - 2 x DisplayPort/HDMI Keyboard/Mouse - 2 x USB Type-A Female (White) Audio - 1 x Mini Stereo Jack Female (Green; front panel)
KVM Ports	Keyboard/Mouse/CAC - 8 x USB Type-B Female (White) Video - 8 x DisplayPort/HDMI Audio - 4 x Mini Stereo Jack Female (Green)	Keyboard/Mouse/CAC - 8 x USB Type-B Female (White) Video - 8 x DisplayPort/HDMI Audio - 4 x Mini Stereo Jack Female (Green)
Power	1 x 3-prong AC Socket	1 x 3-prong AC Socket
USB CAC Port	1 x USB Type-A Female (White; front panel)	1 x USB Type-A Female (White; front panel)
Remote Port Selector	1 x RJ-11 (Black; rear panel)	1 x RJ-11 (Black; rear panel)
Switches		

Port Selection	4 x Pushbuttons	4 x Pushbuttons
Reset	1 x Semi-recessed Pushbutton	1 x Semi-recessed Pushbutton
Power	1 x Rocker	1 x Rocker
LEDs		
Power	1 (Green)	1 (Green)
Online / Selected (KVM Port)	4 (Orange)	4 (Orange)
Online / Selected (CAC Port)	4 (Green)	4 (Green)
Video	2 (Green)	2 (Green)
Key Lock	3 (Green)	3 (Green)
Emulation		
Keyboard / Mouse	USB	USB
Video	Max. 3840 x 2160 @ 30 Hz (UHD)	Max. 3840 x 2160 @ 30 Hz (UHD)
Maximum Input Power Rating	100–240V~; 50-60 Hz; 1.5A	100–240V~; 50-60 Hz; 1.5A
Power Consumption	AC110V:13.9W:98BTU/h AC220V:13.9W:98BTU/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 when it is fully loaded.	AC110V:13.9W:98BTU/h AC220V:13.9W:98BTU/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 when it is fully loaded.
Environmental		
Operating Temperature	0-50°C	0-50°C
Storage Temperature	-20-60°C	-20-60°C
Humidity	0 - 80% RH, Non-condensing	0 - 80% RH, Non-condensing
Physical Properties		
Housing	Metal	Metal
Weight	2.17 kg (4.78 lb)	2.17 kg (4.78 lb)
Dimensions (L x W x H)	33.50 x 16.39 x 6.55 cm (13.19 x 6.45 x 2.58 in.)	33.50 x 16.39 x 6.55 cm (13.19 x 6.45 x 2.58 in.)
Package Contents	1 x CS1144DP4C 4-Port USB DisplayPort Dual Display Secure KVM Switch with CAC 2 x 4K DisplayPort to HDMI Active Adapters 2 x 1.8M USB Universal Dual Display Secure KVM Cable Kits 2 x 1.8M USB DisplayPort Dual Display Secure KVM Cable Kits 1 x Power Cord 1 x User Instructions	1 x CS1144DP4C 4-Port USB DisplayPort Dual Display Secure KVM Switch with CAC 2 x 4K DisplayPort to HDMI Active Adapters 4 x 1.8M USB Universal Dual Display Secure KVM Cable Kits 1 x Power Cord 1 x User Instructions
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	

Simply Better Connections

Diagram

▶ **CS1144DP4CUN1**

1. USB Keyboard / Mouse
2. USB CAC
3. via HDMI to DP Cable Kit
4. via DP to HDMI Converter
5. DP PC connection(s) can be achieved via DP Cable Kit(s) and the DP Cable Kit is not provided in the package