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ATEN CS1188D4 8 Port USB DVI Secure KVM Switch Instructions

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Contents

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CS1188D4

ATEN PSD PP v4.0 Secure KVM Switch CS1188D4 is specifically designed to meet the stringent security requirement of secure defense and intelligence installations.

ATEN PSD PP v4.0 Secure KVM Switch CS1188D4 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 CS1188D4 provides isolation between computer sources and peripherals while sharing a single keyboard, mouse, monitor, and speaker set 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 CS1188D4 only offers manual switching methods including front panel pushbuttons and **Remote Port Selector** (RPS)1 . With multi – layered security, ATEN PSD PP v4.0 Secure KVM Switch CS1188D4 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), and video 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 keyboard / mouse ports filtering to reject specific USB HID devices

  Provides administrative functions for authorized administrators to audit KVM log data

- **Superior Video Quality**

  Superior video quality – up to 4K (3840 x 2160 @ 30 Hz) 3

  Video Dyna Sync™ – Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources
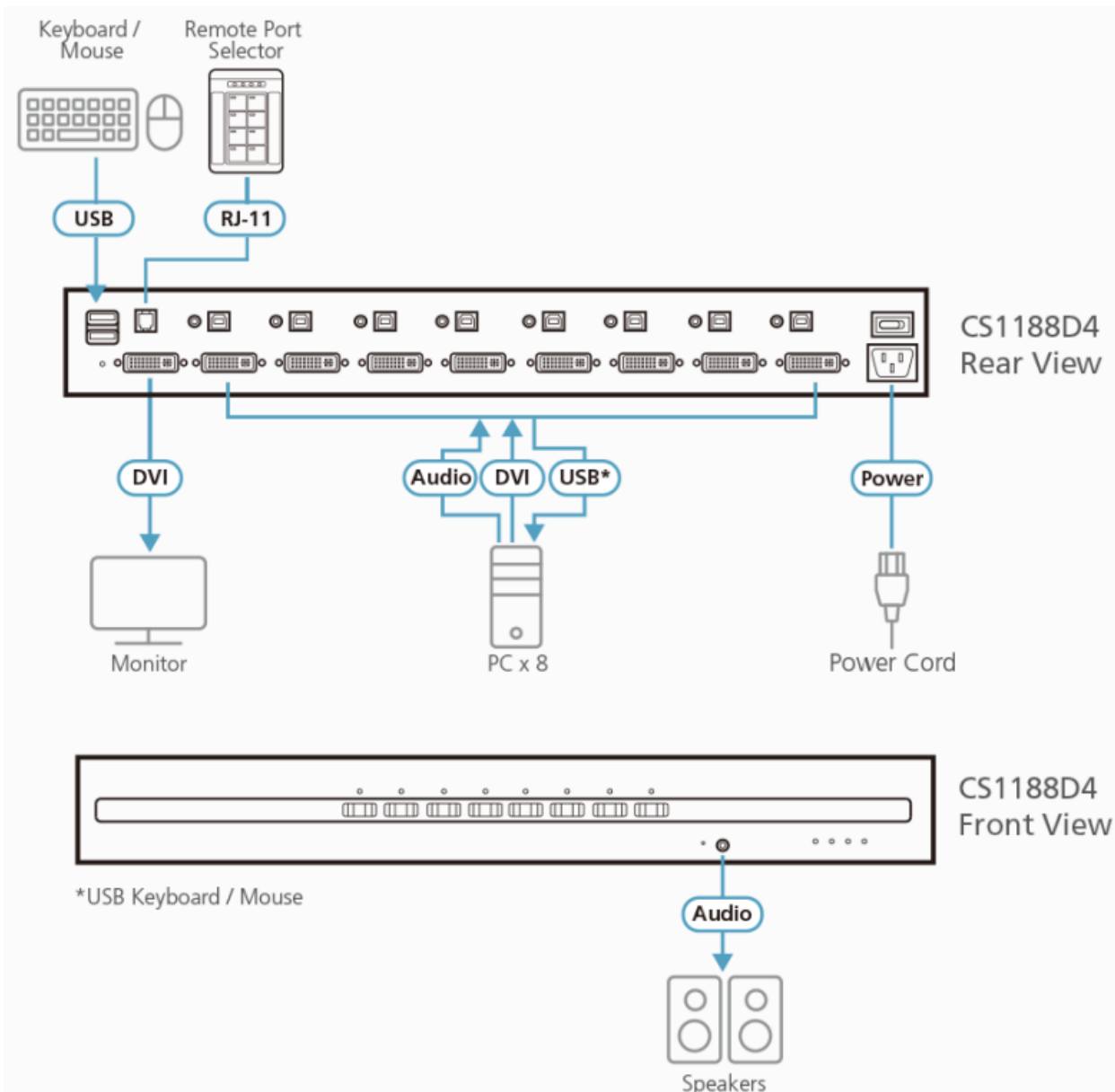
  1. The **Remote Port Selector** is not supplied in the package and requires a separate purchase.

  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-toHDMIKVM cables.

Specification

Computer Connections	8
Port Selection	Pushbutton, Remote Port Selector
Connectors	
Console Ports	1 x DVI-I Dual Unk Female 2 x US8 Type-A Female (White) 1 x MIN Stereo Jack Female (Green; front panel)
KVM Poets	8 x US8 Type-8 Female (White) 8 x DVI-I Dual Uk Female 8 x Mini Stereo Jack Female (Green)
Power	1 x 3-prong AC Socket
Remote Port Selector	1 x RJ-11 (Black; rear panel)
Switches	
Port Selection	8 x Pushbuttons
Reset	1 x Semi-recessed Pushbutton
Power	1 x Rocker

LEDs	
Power	1 (Green)
Online / Selected (KVM Port)	8 (Orange)
Video	1 (Green)
Key Lock	3 (Green)
Emulation	
Keyboard! Mouse	LIS15
Video	Max. 3840 x 2160 ®30 Hi (UHC• DVI Dual Unk: 2560 x 1600; DVI Single Unk: 1920 x 1200 DVI-A: 2048 x 1536
Maximum Input P ower Rating	100-24W—; 50-60 Hi; 1A
Power Consumption	AC110V:11.1W:6013TU AC220V:11W:5987U
Environmental	
Operating Tempe rature	0-50•C
Storage Tempera ture	-20-60•C
Humidity	0 – 60% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	2.95 kg 4 6.5lb I
Dimensions (1. x W x H)	4324 x 20.49 x 6.55 cm (17.02 x 8.07 x 2.58 in.)
Note	• DVI Secure KVM Switches support up to 3840 x 2160 ®30 Hi video output on compatible HDMI-Interfaced moNtors/computers with ATEN DVI-to-HDMI KVM cables.
Note	For some of rack mount products, please note that the standard physical dimensions of Wx DxH are expressed using a LxiNaH format.

Diagram

Documents / Resources

ATEN CS1188D4 8 Port USB DVI Secure KVM Switch [pdf] Instructions
CS1188D4, CS1188D4 8 Port USB DVI Secure KVM Switch, 8 Port USB DVI Secure KVM Switch, USB DVI Secure KVM Switch, DVI Secure KVM Switch, Secure KVM Switch, KVM Switch, Switch

References

- **ATEN PP4.0 Secure KVM Remote Port Selector - 2XRT-0019G, ATEN KVM Modules & Accessories | ATEN Belgium - English**
- **User Manual**