

## CS1924A

4-Port USB 3.0 8K DisplayPort KVMP™ Switch (Cables included)



Built on ATEN's enterprise-grade design heritage, the CS1924A belongs to ATEN's first KVM switch series with 8K support, delivering professional-grade performance and reliable multi-computer control from a single console.

### Ultra-High Resolution for Versatile Professional Applications

The CS1924A delivers up to 8K@60 Hz and 4K@120 Hz, providing precise, clear visuals for demanding tasks. It enables users to control multiple computers from a single console, supporting efficient multitasking and high-resolution workflows while keeping the workspace clean and organized.

### Multi-Display Expansion and Broad Display Compatibility

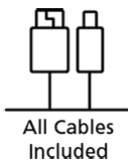
Daisy-chaining further allows multi-display setups using a single keyboard and mouse, streamlining multi-screen workflows and enhancing productivity for complex tasks. With DisplayPort Dual-Mode (DP++) support, the switch can connect to HDMI or DVI displays via compatible adapters, expanding compatibility with a wide range of monitors.

### Flexible and Intuitive Switching for Efficient Workflows

Multiple switching methods, including front panel pushbuttons, a remote port selector, hotkeys, mouse switching, and RS-232 commands, allow users to control connected computers seamlessly. This flexibility enables fast, efficient workflow management tailored to individual preferences, ensuring smooth transitions between multiple systems.

### Efficient Peripheral Sharing and Easy Installation

The integrated USB 3.1 Gen 1 hub provides 5 Gbps data transfer speeds, enabling fast sharing of peripherals between connected computers. All required DisplayPort and USB cables, along with a power adapter, are included for quick, plug-and-play setup, helping users maintain a clean, organized, and fully functional workspace from the start.



## Features

### • High-Performance Hardware and Display Capabilities

- Superior video quality – up to 7680 × 4320 @ 60 Hz, 5120 × 2880 @ 60 Hz and 4096 × 2160 @ 120 Hz
- Two USB 3.1 Gen 1 ports with SuperSpeed 5 Gbps transfer rates
- Supports DisplayPort Dual-Mode technology (DP++)<sup>1</sup>
- Supports MST (Multi-Stream Transport)<sup>2</sup>
- DisplayPort 1.4 compliant; HDCP compliant
- Supports HDR 10+
- Supports HD Audio<sup>3</sup>
- Supports Daisy-chaining setup<sup>4</sup>
- Supports hot-plugging

### • Comprehensive Management and Switching Controls

- One USB keyboard and mouse control two/four DisplayPort computers and share two USB peripherals
- Computer selection via pushbuttons, remote port selector, hotkeys, mouse<sup>5</sup>, and RS-232 commands
- Independent switching of KVM, USB, and Audio
- Supports Console keyboard/mouse emulation/bypass feature
- Power-on detection automatically switches to the next active computer
- Firmware upgradable
- Multilingual keyboard mapping – supports English, Japanese, French, and German keyboards<sup>6</sup>

### • Streamlined, Ready-to-Use Experience

- Plug & play
- All DisplayPort/USB cables and power adapter included for hassle-free installation – no extra purchases needed
- Multiplatform support – Windows, Mac, and Linux

#### Note:

1. DP++ (DP Dual Mode) requires a DP++ adapter (powered DP++ adapter recommended). The graphics source must be DP++ compliant.
2. MST (Multi-Stream Transport) requires monitors capable of DisplayPort 1.4 daisy-chaining or the use of a powered DisplayPort MST hub. The PC source must be DisplayPort 1.4 compliant. A DisplayPort 1.1a or 1.2 display can be the last display in a DisplayPort 1.4 chain.
3. HD audio through HDMI cannot be switched independently.
4. Supports Daisy-chaining setup for dual- or triple-display control - single-display models can connect with single- or dual-display models for dual- or triple-display setups using one keyboard and mouse.
5. For 3-button USB wheel mouse only. Mouse-port switching is supported only under mouse emulation mode.
6. PC keyboard combinations emulate Mac keyboards. Mac keyboards only work with Mac computers.

# Specification

|                        |                                                                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Computer Connections   | 4                                                                                                                                                                                                                                                    |
| Port Selection         | Hotkey, Pushbutton, Mouse wheel, RS-232 Commands, Remote Port Selector                                                                                                                                                                               |
| Connectors             |                                                                                                                                                                                                                                                      |
| Console Ports          | 2 x USB Type A Female<br>1 x DisplayPort Female (Black)<br>2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear)<br>2 x 3.5mm Audio Jack Female (Pink; 1 x front, 1 x rear)                                                                       |
| KVM (Computer) Ports   | 4 x USB3.1 Gen1 Type B Female (Blue)<br>4 x DisplayPort Female (Black)<br>4 x 3.5mm Audio Jack Female (Green)<br>4 x 3.5mm Audio Jack Female (Pink)                                                                                                  |
| Daisy Chain Ports      | 1 x RJ-45 Female                                                                                                                                                                                                                                     |
| Power                  | 1 x DC Jack                                                                                                                                                                                                                                          |
| USB Hub                | 2 x USB3.1 Gen1 Type A Female (Blue; 1 x front; 1 x rear)                                                                                                                                                                                            |
| LEDs                   |                                                                                                                                                                                                                                                      |
| KVM                    | 5 (Orange)                                                                                                                                                                                                                                           |
| Audio                  | 5 (Green)                                                                                                                                                                                                                                            |
| USB Link               | 5 (Green)                                                                                                                                                                                                                                            |
| Switches               |                                                                                                                                                                                                                                                      |
| Selected               | 5 x Pushbutton                                                                                                                                                                                                                                       |
| Station Selection      | 1 x Slide Switch                                                                                                                                                                                                                                     |
| Emulation              |                                                                                                                                                                                                                                                      |
| Keyboard / Mouse       | USB                                                                                                                                                                                                                                                  |
| Video                  | Up to 7680 x 4320 @ 60Hz, 5120 x 2880 @ 60Hz, 4096 x 2160 @ 240Hz                                                                                                                                                                                    |
| Scan Interval          | 1-99 seconds (default: 5 seconds)                                                                                                                                                                                                                    |
| Power Consumption      | DC12V:3.18W:101BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental          |                                                                                                                                                                                                                                                      |
| Operating Temperature  | 0–50°C                                                                                                                                                                                                                                               |
| Storage Temperature    | -20–60°C                                                                                                                                                                                                                                             |
| Humidity               | 0-80% RH, Non-condensing                                                                                                                                                                                                                             |
| Physical Properties    |                                                                                                                                                                                                                                                      |
| Housing                | Metal                                                                                                                                                                                                                                                |
| Weight                 | 0.62 kg ( 1.37 lb )                                                                                                                                                                                                                                  |
| Dimensions (L x W x H) | 26.00 x 7.30 x 4.30 cm<br>(10.24 x 2.87 x 1.69 in.)                                                                                                                                                                                                  |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.                                                                                                                      |

# Diagram

