

## 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

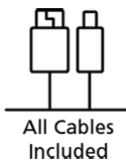
Daisy-chaining further allows multi-display setups using a single keyboard and mouse, streamlining multi-screen workflows and enhancing productivity for complex tasks. With DisplayPort Dual-Mode (DP++) support, the switch can connect to HDMI or DVI displays via compatible adapters, expanding compatibility 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 1 x DisplayPort Female (Black) 2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear) 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) 4 x DisplayPort Female (Black) 4 x 3.5mm Audio Jack Female (Green) 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  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
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 (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

