

## CS1824

4-Port USB 3.0 4K HDMI KVMP™ Switch with Audio Mixer Mode



The ATEN CS1824 KVMP™ Switch offers effortless management of four HDMI interface computers from a single USB keyboard, mouse and HDMI monitor. Supporting the most superior video quality up to 4K DCI (4096 x 2160 @ 60Hz), the CS1824 optimizes user experience of multitasking.

With patented ATEN technology – Video DynaSync™, users can enjoy better display resolution and faster switching between systems. What's more, the default EDID mode is available for smooth power-up, high-quality display and eliminates monitor compatibility issue.

In addition, the CS1824 features Audio Mixer Mode which mixes audio sources from any two connected computers as audio output, benefiting users to be notified without missing any system alert even the KVM focus is set on other computers. With a built-in USB 3.1 Gen 1 hub, the CS1824 delivers data transfer rates up to 5 Gbps, allowing you to accelerate multimedia operations and share USB peripherals with ease.

Integrating these outstanding functionalities, the CS1824 provides a great advantage for those doing CGI work, graphic design, video post production, etc. to operate multiple tasks smoothly.



### Features

- One USB keyboard/mouse and one HDMI monitor control four computers and share two USB peripherals
- Supports superior video quality – 4K UHD (3840 x 2160 @ 60Hz) and 4K DCI (4096 x 2160 @ 60Hz)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Built-in 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Audio Mixer Modes – mixes up to two audio sources as audio output
- Computer selection via pushbuttons, hotkeys, mouse<sup>1</sup>, and RS-232 commands
- ATEN default EDID mode – smooth power-up, high-quality display and resolution optimization to eliminate compatibility issue
- Independent switching of KVM, USB peripheral, and stereo audio focus<sup>2</sup>
- HDMI compliant; HDCP compliant
- Supports HD Audio<sup>2</sup>
- Power on detection
- Auto Scan Mode for monitoring all computers
- Firmware upgradable

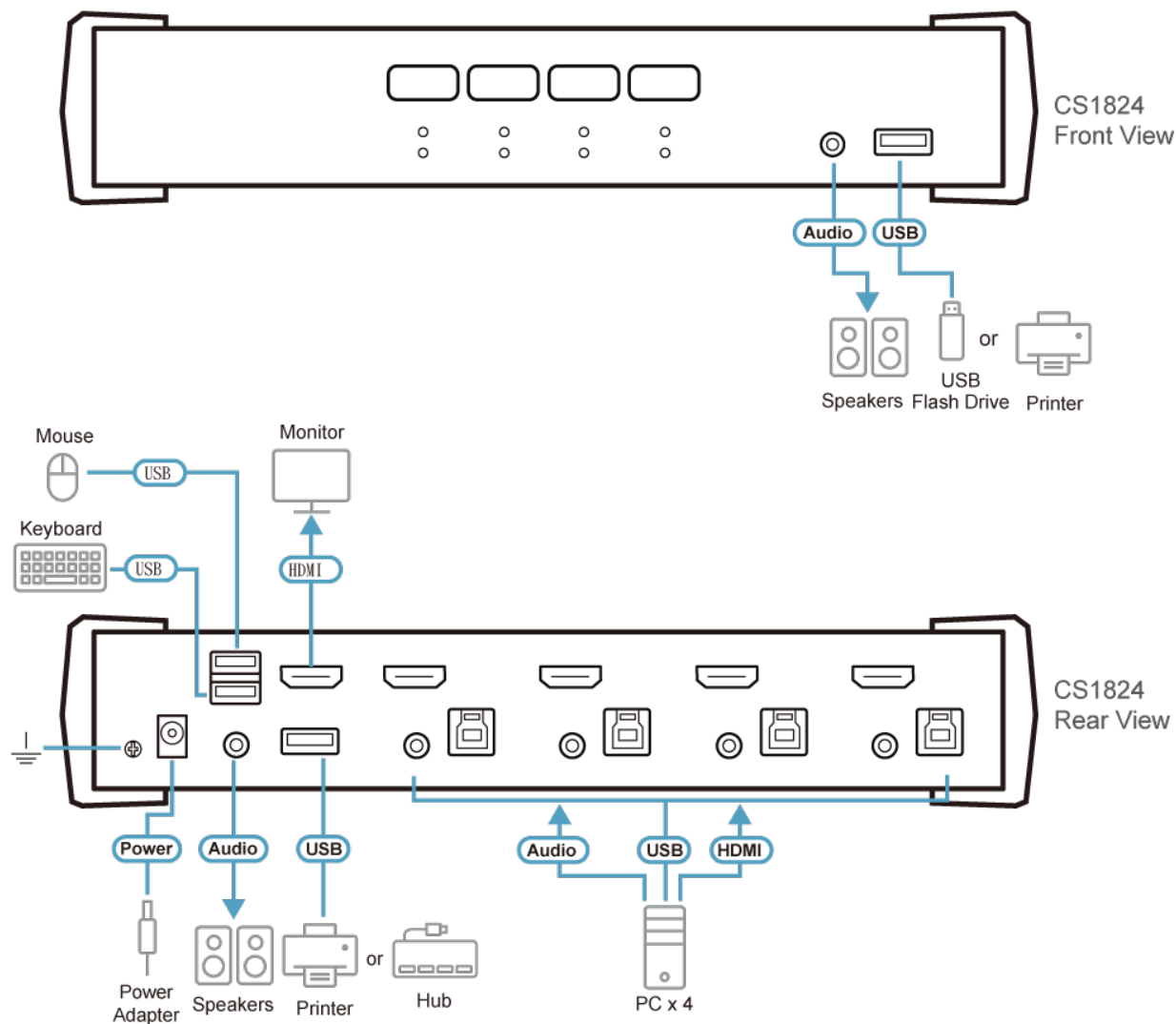
#### Note:

1. Mouse port switching is only supported under mouse emulation mode and by USB 3-key wheel mice.
2. HD audio through HDMI channel cannot be switched independently

## Specifications

|                        |   |
|------------------------|---|
| Computer Connections   | 4   |
| Port Selection         | Hotkey, Pushbutton, Mouse, RS-232 Commands  |
| Connectors             |   |
| Console Ports          | 2 x USB Type A Female<br>1 x HDMI Female (Black)<br>2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear)  |
| KVM (Computer) Ports   | 4 x USB3.1 Gen1 Type B Female (Blue)<br>4 x HDMI Female (Black)<br>4 x 3.5mm Audio Jack Female (Green)  |
| Serial                 | 1 x RJ-11 Female  |
| Power                  | 1 x DC Jack   |
| USB Hub                | 2 x USB3.1 Gen1 Type A Female (Blue; 1 x front; 1 x rear)   |
| Switches               |   |
| Selected               | 4 x Pushbutton  |
| LEDs                   |   |
| On Line /Selected      | 4 (Orange)  |
| USB Link               | 4 (Green)   |
| Audio                  | 4 (Green)   |
| Emulation              |   |
| Keyboard / Mouse       | USB   |
| Video                  | Up to 4096 x 2160 @ 60Hz, 2560 x 1440 @ 144Hz   |
| Scan Interval          | 1-99 Seconds (Default: 5 sec.)  |
| Power Consumption      | DC5V:2.535W:54.5BTU/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  | 0-40°C  |
| Storage Temperature    | -20-60°C  |
| Humidity               | 0-80% RH, Non-condensing  |
| Physical Properties    |   |
| Housing                | Metal, Plastic  |
| Weight                 | 0.94 kg ( 2.07 lb )   |
| Dimensions (L x W x H) | 27.00 x 8.80 x 5.55 cm<br>(10.63 x 3.46 x 2.19 in.)   |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.   |

Diagram



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