

CS1822

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



The ATEN CS1822 [KVMP™](#) Switch offers effortless management of two 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 CS1822 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 CS1822 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 CS1822 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 CS1822 provides a great advantage for those doing CGI work, graphic design, video post production, etc. to operate multiple tasks smoothly.



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Features

- One USB keyboard/mouse and one HDMI monitor control two 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, mouse¹, 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 focus²
- HDMI 2.0 compliant; [HDCP](#) 2.2 compliant
- Supports HD Audio²
- Power on detection
- 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 | 2 |
| Port Selection | Hotkey, Pushbutton, Mouse, RS-232 Commands |
| Connectors | |
| Console Ports | 2 x USB Type A Female 1 x HDMI Female (Black) 2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear) |
| KVM (Computer) Ports | 2 x USB3.1 Gen1 Type B Female (Blue) 2 x HDMI Female (Black) 2 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 | 2 x Pushbutton |
| LEDs | |
| On Line /Selected | 2 (Orange) |
| USB Link | 2 (Green) |
| Audio | 2 (Green) |
| Emulation | |
| Keyboard / Mouse | USB |
| | |

| | |
|------------------------|---|
| Video | 4096 x 2160 @ 60Hz |
| Scan Interval | 1-99 Seconds (Default: 5 sec.) |
| Power Consumption | DC5V:1.78W:50.97BTU |
| Environmental | |
| Operating Temperature | 0-40°C |
| Storage Temperature | -20-60°C |
| Humidity | 0-80% RH, Non-condensing |
| Physical Properties | |
| Housing | Metal, Plastic |
| Weight | 0.74 kg (1.63 lb) |
| Dimensions (L x W x H) | 21.00 x 8.80 x 5.55 cm (8.27 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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