
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, 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 compliant; HDCP compliant
- Supports HD Audio2
- 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

Specification

Computer Connections	4
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	4 x USB3.1 Gen1 Type B Female (Blue) 4 x HDMI Female (Black) 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 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	0-40°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 (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

