

# 2/4-Port USB 3.0 4K HDMI Dual Display KVM™ Switch

## CS1842 / CS1844

- The ATEN CS1842 / CS1844 Dual Display KVM™ Switch presents a valuable solution for desktop workstation with instant and effortless access to two/four HDMI interface computers from a single USB keyboard, mouse and two HDMI monitors; to meet users' needs, the CS1842 / CS1844 is compliant with HDMI 2.0 standard and supports superior video quality up to 4K DCI (4096 x 2160 @ 60Hz), offering the most stunning and vivid visuals.

In addition, with patented ATEN technology – Video DynaSync™, the CS1842 / CS1844 provides optimized display resolution and accelerates switching between systems. Considering immediate data sharing, a built-in USB 3.1 Gen 1 hub delivers data transfer rates up to 5 Gbps, allowing you to speed up operations and share USB peripherals efficiently.

For requirements of more displays to monitor, users can daisy-chain two CS1842 / CS1844 for up to four displays to multitask easily and process tremendous information. Besides, a remote port selector is available for quick and streamlined port selection apart from pushbuttons, hotkeys and mouse port switching.

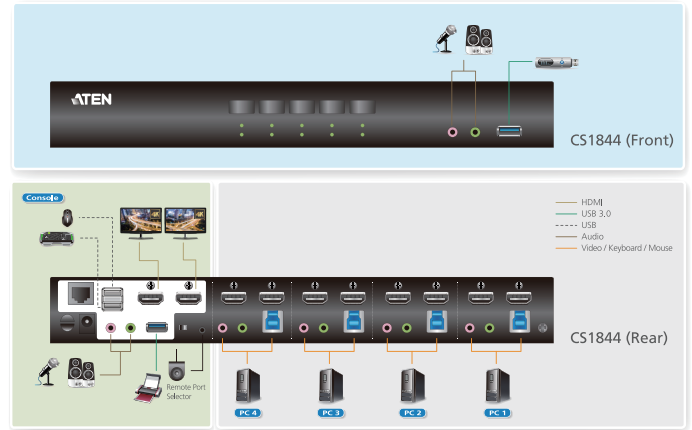
As a feature-rich KVM switch, the CS1842 / CS1844 is especially suitable for users who needs to perform multiple tasks smoothly at CGI work, graphic design, video post production, and CAD engineering.



## Features

- One USB keyboard, mouse and two HDMI monitors control two/four HDMI computers and share two USB peripherals
- Supports Quad Display by connecting two Dual Display KVM switches
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Supports superior video quality – 4K UHD (3840 x 2160 @ 60Hz) and 4K DCI (4096 x 2160 @ 60Hz)
- Computer selection via pushbuttons, hotkeys, mouse<sup>1</sup>, remote port selector, and RS-232 commands<sup>2</sup>
- Built-in 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Supports console keyboard emulation / bypass feature
- Supports console mouse emulation / bypass feature
- Independent switching of KVM, USB peripheral, and stereo audio focus<sup>3</sup>
- Multilingual keyboard mapping – supports English, French, Japanese, and German keyboards
- HDMI 2.0 compliant; HDCP 2.2 compliant
- Supports HD audio<sup>3</sup>
- 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. Slide the DCC switch to the S position to allow the KVM switch to receive RS-232 commands via an RJ-45-to-DB-9 cable. Please refer to the CS1842 / CS1844 user manual.
  3. HD audio through HDMI channel cannot be switched independently.



## Specifications

Function	CS1842	CS1844
<b>Computer Connections</b>	2	4
<b>Port Selection</b>	Pushbutton, Hotkey, Mouse, RS-232 commands, Remote Port Selector	
<b>Connectors</b>		
Console Ports	2 x USB Type A Female (Black) 2 x HDMI 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	2 x USB 3.1 Gen1 Type B Female (Blue) 4 x HDMI Female (Black) 2 x 3.5mm Audio Jack Female (Green) 2 x 3.5mm Audio Jack Female (Pink)	4 x USB 3.1 Gen1 Type B Female (Blue) 8 x HDMI Female (Black) 4 x 3.5mm Audio Jack Female (Green) 4 x 3.5mm Audio Jack Female (Pink)
Daisy Chain Port	1 x RJ-45 Female	
Remote Port Selector	1 x 2.5mm Audio Jack Female	
Power	1 x DC Jack	
USB Hub	2 x USB 3.1 Gen1 Type A Female (Blue; 1 x front, 1 x rear)	
<b>Switches</b>		
Selected	3 x Pushbutton	5 x Pushbutton
Station Selection	1 x Slide Switch	
<b>LEDs</b>		
On Line / Selected	3 (Orange)	5 (Orange)
USB Link	3 (Green)	5 (Green)
Audio	3 (Green)	5 (Green)
<b>Emulation</b>		
Keyboard / Mouse	USB	
<b>Video</b>	4096 x 2160 @ 60Hz	
<b>Scan Interval</b>	1-99 seconds (Default: 5 sec.)	
<b>Power Consumption</b>	DC 12V: 3.17W: 57BTU	DC 12V: 4.42W: 63BTU
<b>Environmental</b>		
Operating Temperature	0 – 40°C	
Storage Temperature	-20 – 60°C	
Humidity	0 – 80% RH, Non-condensing	
<b>Physical Properties</b>		
Housing	Metal	
Weight	1.60 kg	1.57 kg
Dimensions (L x W x H)	33.50 x 16.05 x 4.40 cm	33.50 x 16.05 x 4.40 cm

Product information is subject to change without prior notice.

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