

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

## CS1842 / CS1844

- The ATEN CS1842 / CS1844 Dual Display KVMP™ 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™, which optimizes display resolution, speeds up switching between systems, and ensures that windows opened on an extended desktop will not revert to their default configurations on the main display when switching between ports, providing a smooth and uninterrupted user experience. 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.

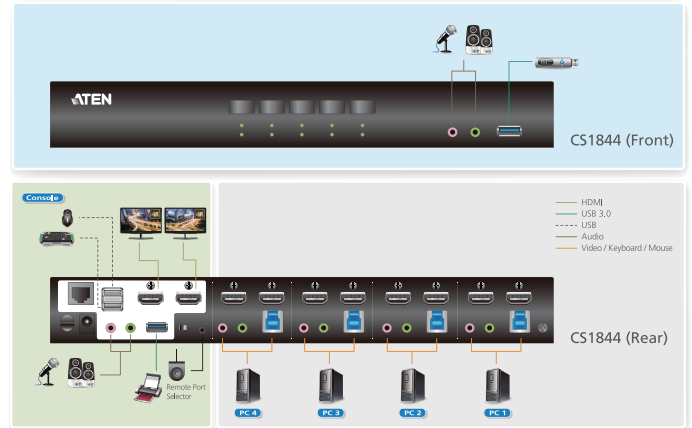
As a feature-rich KVM switch, the CS1842 / CS1844 is especially suitable for users who need to perform multiple tasks smoothly at CGI work, graphic design, video post production, and CAD engineering.



## 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 optimizes display resolution, speeds up switching between systems, and ensures that windows opened on an extended desktop will not revert to their default configurations on the main display when switching between ports
- 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
Computer Connections	2	4
Port Selection	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	
Video	4096 x 2160 @ 60Hz	
Scan Interval	1-99 seconds (Default: 5 sec.)	
Power Consumption	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.

## ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com

Publish Date: 10/2020 V2.0



© Copyright 2020 ATEN® International Co., Ltd.  
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their respective owners.