

CS1844

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



The ATEN CS1844 Dual Display KVMP™ Switch presents a valuable solution for desktop workstation with instant and effortless access to four HDMI interface computers from a single USB keyboard, mouse and two HDMI monitors; to meet users' needs, the 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 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 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 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 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, mouse¹, remote port selector, and RS-232 commands²
- 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 focus³
- Multilingual keyboard mapping – supports English, French, Japanese, and German keyboards
- HDMI 2.0 compliant; HDCP 2.2 compliant
- Supports HD audio³
- 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.

Specification

Computer Connections	4
Port Selection	Hotkey, Pushbutton, Mouse, RS-232 Commands, Remote Port Selector
Connectors	
Console Ports	2 x USB Type A Female 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	4 x USB3.1 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 Ports	1 x RJ-45 Female
Remote Port Selector	1 x 2.5mm Audio Jack 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	5 x Pushbutton
Station Selection	1 x Slide Switch
LEDs	
On Line /Selected	5 (Orange)

USB Link	5 (Green)
Audio	5 (Green)
Emulation	
Keyboard / Mouse	USB
Video	4096 x 2160 @ 60Hz
Scan Interval	1-99 Seconds (Default: 5 sec.)
Power Consumption	DC12V:4.42W:63BTU
Environmental	
Operating Temperature	0-40 °C
Storage Temperature	-20-60 °C
Humidity	0-80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	1.57 kg (3.46 lb)
Dimensions (L x W x H)	33.50 x 16.05 x 4.40 cm (13.19 x 6.32 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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



© Copyright 2015 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.