

## 2-Port USB 4K HDMI Dual-Display KVMP™ Switch CS742H

The ATEN CS742H 2-Port USB 4K HDMI Dual-Display KVMP™ Switch is designed for professionals who need streamlined control over two computers while maintaining high-performance visuals and peripheral sharing. With support for dual HDMI displays at resolutions up to 4096 x 2160 @ 60Hz, it delivers ultra-clear image quality ideal for tasks in design, finance, and media production.

The CS742H allows users to operate both systems using a single USB keyboard, mouse, and shared peripherals, significantly reducing desktop clutter and hardware costs. It supports multiple switching methods including front-panel pushbuttons, hotkeys, mouse wheel, and remote port selector, offering flexibility and convenience in various work setups. Equipped with USB peripheral sharing, the CS742H enables seamless use of devices like external drives, webcams, or printers across both connected systems.

It comes complete with all necessary cables and a power adapter for fast, plug-and-play installation with no extra purchases required. With power-on detection, multiplatform support for Windows, Mac, and Linux, and hot-plug capability, the CS742H is a reliable, efficient solution for users managing dual-computer environments with high-resolution dual displays.



**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



Front View

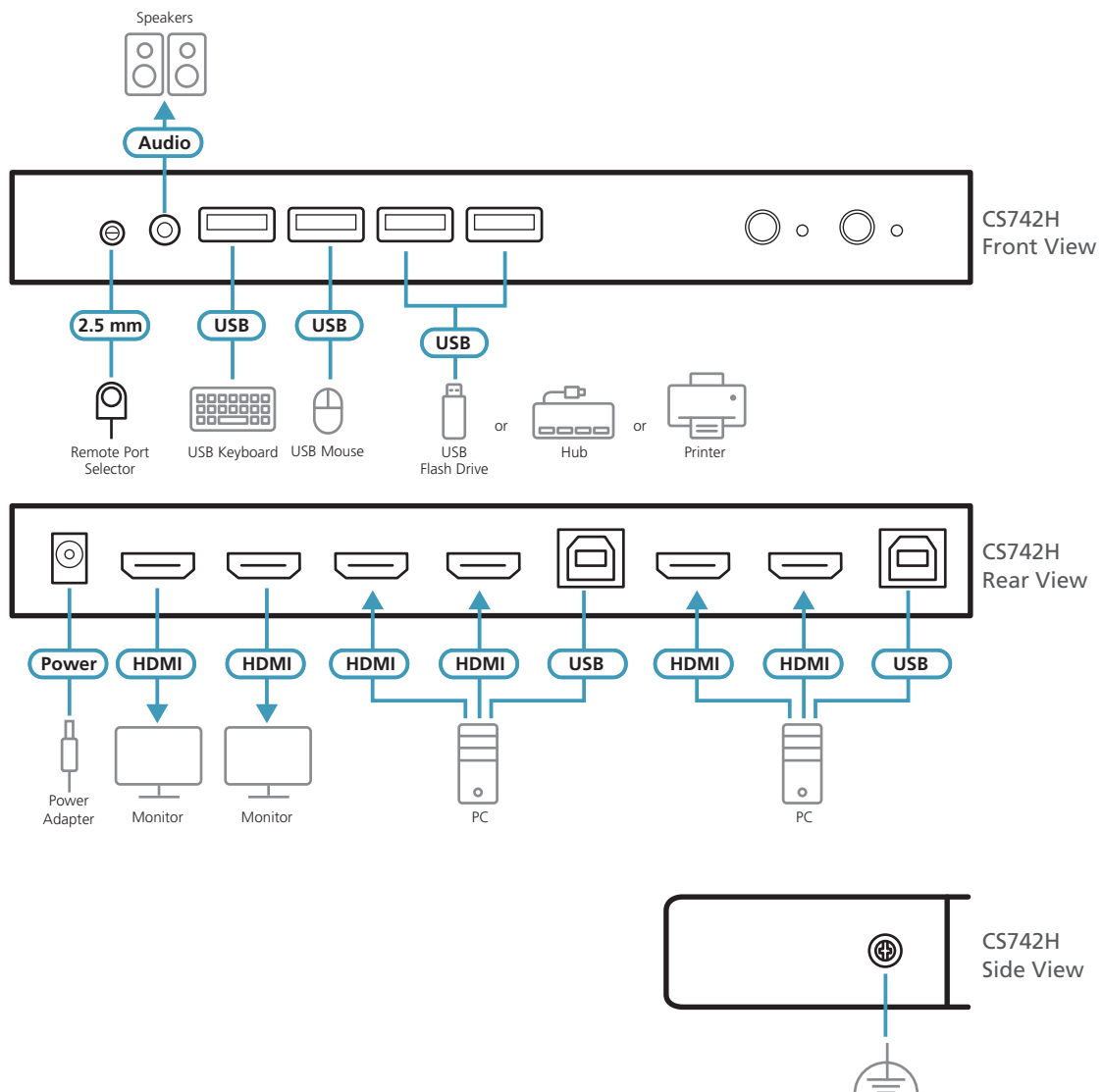


Rear View



## Features

- Single USB keyboard and mouse control up to 2 PCs, simplifying cables and reducing the cost of multi-computer setups
- Superior video quality – up to 4096 x 2160 @ 60 Hz, 5120 x 1440 @ 60 Hz
- Computer Selection via pushbuttons, remote port selector, hotkeys, and mouse wheel
- Supports Video DynaSync™ – Exclusive ATEN technology ensures optimal resolution and consistent window layout during port switching for smooth multi-system workflows
- Multiplatform support – Windows, Mac, and Linux
- USB peripheral sharing
- All HDMI / USB cables and power adapter included – for hassle-free installation, no extra purchases needed
- Power-on detection automatically switches to the next active computer
- Supports most gaming / multimedia keyboards and multifunction mice with emulation or bypass
- Auto-scan function allows continuous monitoring of connected systems
- Plug and play – no software installation or configuration required
- Supports hot-plugging
- Firmware upgradeable



## Specifications

|                             | CS742H                                                                                             |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| <b>Computer Connections</b> | 2                                                                                                  |
| <b>Port Selection</b>       | Hotkey, Pushbutton, Mouse wheel, Remote Port Selector                                              |
| <b>Connectors</b>           |                                                                                                    |
| Console Ports               | 2 x USB Type-A Female<br>2 x HDMI Female (Black)<br>1 x 3.5mm Audio Jack Female (Green; 1 x front) |
| KVM (Computer) Ports        | 2 x USB3.1 Gen1 Type-B Female (Blue)<br>4 x HDMI Female (Black)                                    |
| Remote Port Selector        | 1 x 2.5mm Audio Jack Female                                                                        |
| Power                       | 1 x DC Jack                                                                                        |
| USB Hub                     | 2 x USB2.0 Type-A Female (White; 2 x front)                                                        |
| <b>Switches</b>             |                                                                                                    |
| Selected                    | 2 x Pushbutton                                                                                     |
| <b>LEDs</b>                 |                                                                                                    |
| Online / Selected           | 2 (Orange)                                                                                         |
| <b>Emulation</b>            |                                                                                                    |
| Keyboard / Mouse            | USB                                                                                                |
| <b>Video</b>                | Up to 4096 x 2160 @ 60Hz, 5120 x 1440 @ 60Hz                                                       |
| <b>Scan Interval</b>        | 1-99 Seconds (Default: 5 sec.)                                                                     |
| <b>Power Consumption</b>    | DC5V:3.63W                                                                                         |
| <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, Plastic                                                                                     |
| Weight                      | 0.47 kg                                                                                            |
| Dimensions (L x W x H)      | 20.23 x 8.17 x 2.50 cm                                                                             |

### ATEN International Co., Ltd.

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

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