CS742H

2-Port USB 4K HDMI Dual-Display KVMP™ Switch (Cables included)

Simplify 2-PC Multitasking with Dual 4K Brilliance

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2-Port USB 2.0 4K HDMI Dual Display KVMP™ Switch

The CS742H is a 2-port KVM switch designed to boost multitasking productivity for a 2-PC, dual-display desktop. With a single keyboard and mouse, you can maintain a tidy workspace while simplifying control of two HDMI computers and two HDMI displays.

With the CS742H, you can benefit from:
● Intuitive and flexible switching via pushbutton, hotkey, mouse, or the remote port selector
● A 2-port USB hub for peripheral sharing with a simple plug-and-play setup
● A pristine visual experience up to 4K60
● Multi-system compatibility across Windows, Mac, and Linux

Whether you're a professional seeking a productivity booster for your daily office routines, a content creator, a hybrid worker, or someone looking for a better entertainment setup, the CS742H is definitely your perfect desktop companion.
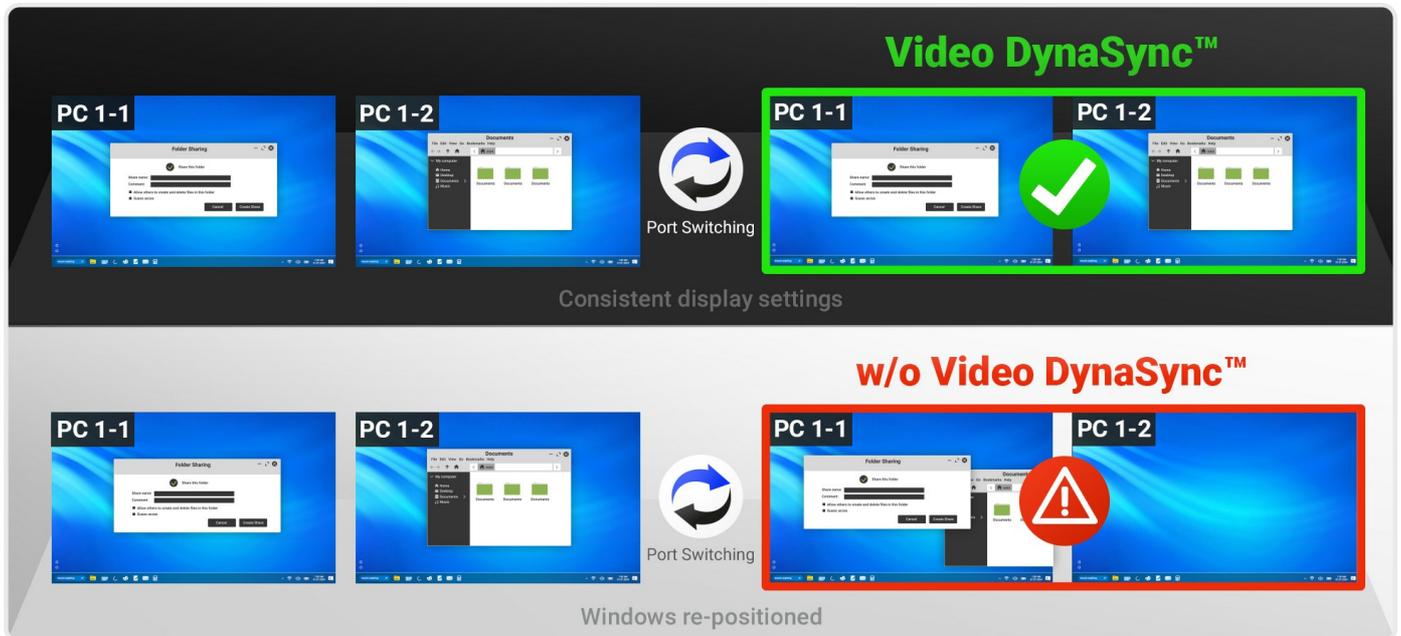
Superior Visual Clarity

The KVM switch is designed to deliver exceptional video performance, supporting up to 4K60 visual clarity.

Video DynaSync™

Built with ATEN's exclusive Video DynaSync™, the CS742H optimizes display resolution by preserving consistent window sizes and icon positions during every port switch, ensuring a smooth, flicker-free multitasking experience.
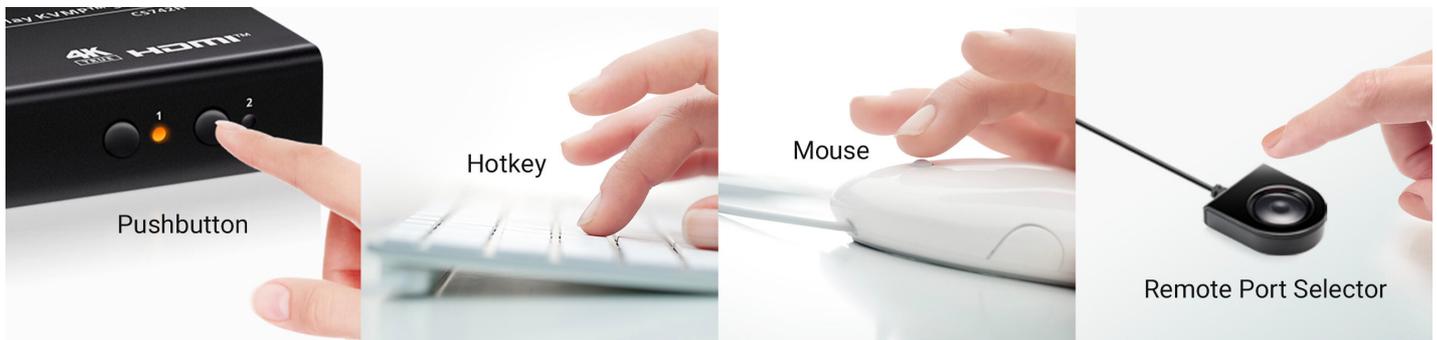

USB 2.0 Peripheral Hub

Media and data sharing between computers is fast and effortless via plug-n-play connections (e.g. hard drive, flash drive, printer, etc) to the USB ports on the KVM switch, without the need for an extra docking station.
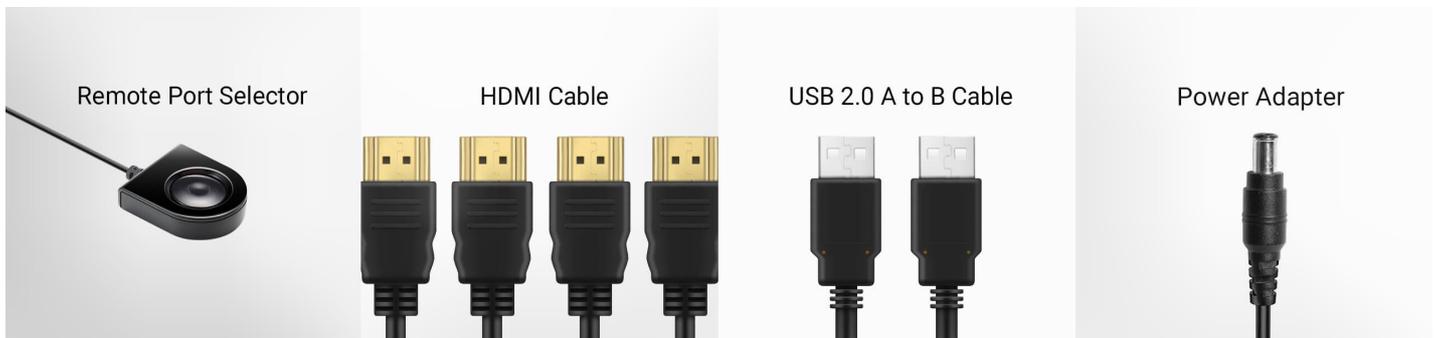
USB Devices

| Drawing Tablet | Flash Drive | Printer | Hard Disk | Web Camera |

Flexible Port Switching

Port switching is quick and flexible via pushbuttons, hotkeys, mouse or the remote port selector – whichever best fits your workflow.

Pushbutton

Hotkey

Mouse

Remote Port Selector

All Cables Included. No Extras Needed.

Everything you need is included – 4 HDMI cables, 2 USB 2.0 A to B cables, 1 power adapter, and 1 remote port selector (wired switch button) – for instant setup.

Remote Port Selector

HDMI Cable

USB 2.0 A to B Cable

Power Adapter

Applications

The CS742H promotes a streamlined multitasking workflow and delivers a tidy setup with a single keyboard and mouse on a 2-PC, dual-display desktop, making it perfect for any personal or professional routine.

Office

Financial Analyst

Hybrid Work

Content Creation

ATEN
Simply Better Connections

Engineered for Reliability

ISO Certified | Industry Compliant | Warranty Included

WARRANTY 100%

QUALITY

ISO 45001

HDMI Certified

Certified HDMI Adopter

CERTIFICATE OF CONTRIBUTOR MEMBERSHIP

ATEN International Co., LTD.

HDBaseT Certified

ISO 9001:2015

ISO 14001:2015

ISO 9001

ISO 14064

ISO 27001

ISO 14001

Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly
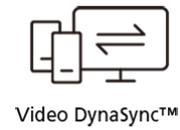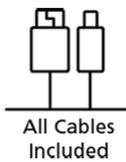
First Name *

Last Name *

- Country *

Company *

Email *

Phone Number *

- Customer Type *

Job Title *

All Cables Included

Audio Enabled

PC Wakeup

Peripheral Sharing

Video DynaSync™

Features

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.

- 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

Computer Connections	2
Port Selection	Hotkey, Pushbutton, Mouse wheel, Remote Port Selector
Connectors	
Console Ports	2 x USB Type A Female 2 x HDMI Female (Black) 1 x 3.5mm Audio Jack Female (Green; 1 x front)
KVM (Computer) Ports	2 x USB2.0 Type B Female (White) 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)
Switches	
Selected	2 x Pushbutton
LEDs	
On Line /Selected	2 (Orange)
Emulation	
Keyboard / Mouse	USB
Video	Up to 4096 x 2160 @ 60Hz, 5120 x 1440 @ 60Hz
Scan Interval	1-99 Seconds (Default: 5 sec.)
Power Consumption	DC5V:3.63W:43BTU/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	0.47 kg (1.04 lb)
Dimensions (L x W x H)	20.23 x 8.17 x 2.50 cm (7.96 x 3.22 x 0.98 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

Remote Port
Selector

USB
Keyboard

USB Mouse

USB
Flash Drive

o

Power

Power
Adapter

HDMI

Monitor

HDMI

Monitor

HDMI

HDMI

PC