# 4-Port USB3.0 4K DisplayPort Triple Display KVMP™ Switch
CS1964

The ATEN CS1964 optimizes your desktop organization to help you effortlessly manage a triple-display multimedia workstation. The CS1964 provides instant, user-friendly access to four computers via a single USB keyboard, USB mouse and three HDMI monitors. By daisy-chaining two CS1964 for six displays, you can multitask smoothly to increase productivity and improve workflow.

The CS1964 is equipped with patented ATEN technology – Video DynaSync™ – which optimizes display resolution and speeds up switching between systems. What's more, the CS1964 supports the most superior video quality up to 4K DCI (4096 x 2160 @ 60Hz). In addition, the CS1964 delivers data transfer rates up to 5 Gbps with a built-in USB 3.1 Gen 1 hub, allowing you to accelerate multimedia operations with ease, and equipped with N-key Rollover, offering support for up to 15 simultaneous keystrokes that avoids ghosting or jamming.

Integrating all these advanced functionalities, the CS1964 provides a unique advantage for users who need to operate multiple systems and perform multiple tasks across a triple-display extended desktop. The CS1964 especially benefits those doing financial trading, CGI work, graphic design, video post production, gaming applications, and more.

CS1964 (Front)

CS1964 (Rear)
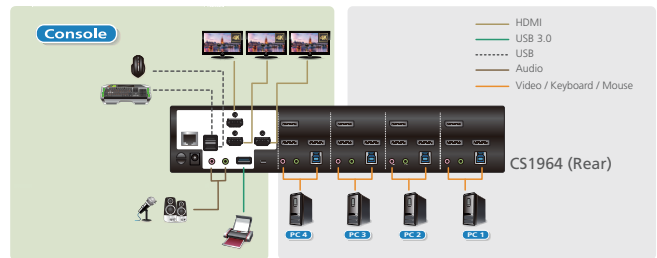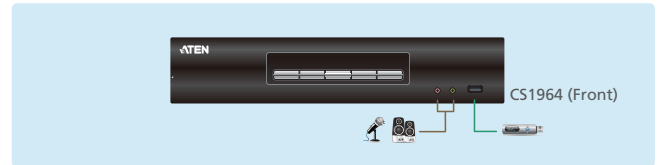
Features

- One USB keyboard/mouse and three HDMI monitors control four DisplayPort computers
- Supports superior video quality – up to 4K DCI (4096 x 2160 @ 60Hz); HDCP compliant
- Computer selection via pushbuttons, hotkeys, mouse[1], and RS-232 Commands[2]
- Supports N-key Rollover[3] (NKRO) – permits collision-free keying
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Supports six displays by connecting two triple display KVM switches
- 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 audio focus[4]
- Supports HD Audio[4]
- 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-DB9 cable.
Please refer to the CS1964 RS-232 Commands document.
3. N-key Rollover supports up to 15 simultaneous keystrokes.
4. HD audio through DisplayPort-HDMI cannot be switched independently.

Specifications

Function	CS1964
Computer Connections	4
Port Selection	Pushbuttons, Hotkeys, RS-232 Commands, Mouse
Connectors	
Console Ports	2 x USB Type A Female
	3 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)
	12 x DisplayPort 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
Power	1 x DC Jack
USB Hub	2 x USB 3.1 Gen1 Type A Female (Blue; 1 x front; 1 x rear)
Switches	
Selected	5 x Pushbutton
Station Selection	1 x Slide Switch
Emulation	
Keyboard / Mouse	USB
Video	4096 x 2160 @ 60Hz
Scan Interval	1-99 seconds (default: 5 seconds)
Power Consumption	DC 12V: 15.49W
Environmental	
Operating Temperature	0–50°C
Storage Temperature	-20–60°C
Humidity	0-80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	1.93 kg
Dimensions (L x W x H)	33.50 x 15.60 x 6.55 cm

Product information is subject to change without prior notice.