

CS1944DP

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



The ATEN CS1944DP desktop KVM switch helps organize your desktop. Especially when managing a multimedia workstation at a large organization, CS1944DP provides you with instant access to two or four computers, all through a single USB keyboard, USB mouse and two DisplayPort monitors.

Advanced video support provides a better-defined DisplayPort connection with video resolutions up to 4K (4096 x 2160 / 3840 x 2160 @ 60 Hz). Incorporating dual display capability, you are allowed to enjoy a wider screen and easily switch between two or four DisplayPort systems. In addition, featuring a built-in USB 3.1 Gen 1 hub, the CS1944DP delivers unprecedented data transfer rates up to 5 Gbps, allowing you to maximize multimedia operations.

Engineered to meet the ever-increasing demand for dual display, ultra-fast data transmission rates, and lossless 4K video resolution, the CS1944DP is specifically designed for where multitasking is needed such as design, financial trading, and video post production.

Note:

As is common with DisplayPort KVM switches, switching between KVM ports in an Extended Desktop setup may cause windows open on the extended desktop to be resized/repositioned back to a default configuration on the main display. This is due to the nature of the DisplayPort protocol and may require a manual readjustment.



Features

- One USB keyboard and mouse controls four DisplayPort computers and share two USB peripherals
- Supports Quad Display by connecting two Dual Display KVM switches
- Supports superior video quality – Up to 4K (4096 x 2160 / 3840 x 2160 @ 60 Hz)
- Computer Selection via front panel, hotkeys, mouse, and RS-232 commands
- 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Supports DisplayPort Dual-Mode technology (DP++)¹
- Supports MST (Multi-Stream Transport)²
- Supports Console keyboard emulation / bypass feature
- Supports Console mouse emulation / bypass feature
- Independent switching of KVM, USB, and Audio
- Multilingual keyboard mapping – supports English, French, Japanese, and German keyboards
- DisplayPort 1.2 compliant; HDCP compliant³
- Supports HD audio⁴
- Power on detection
- Firmware upgradable

Note:

1. DisplayPort Dual-Mode technology (DP++) does not require an active adapter for most single display setups. Active DisplayPort adapters are recommended if you are unsure of the video source's DP++ compatibility.

2. MST (Multi-Stream Transport) requires either monitors that are capable of DisplayPort 1.2 daisy-chaining, or use of a powered DisplayPort MST Hub. A DisplayPort v1.1a display can be the last display in a DisplayPort v1.2 chain. The PC source must be DisplayPort 1.2 compliant

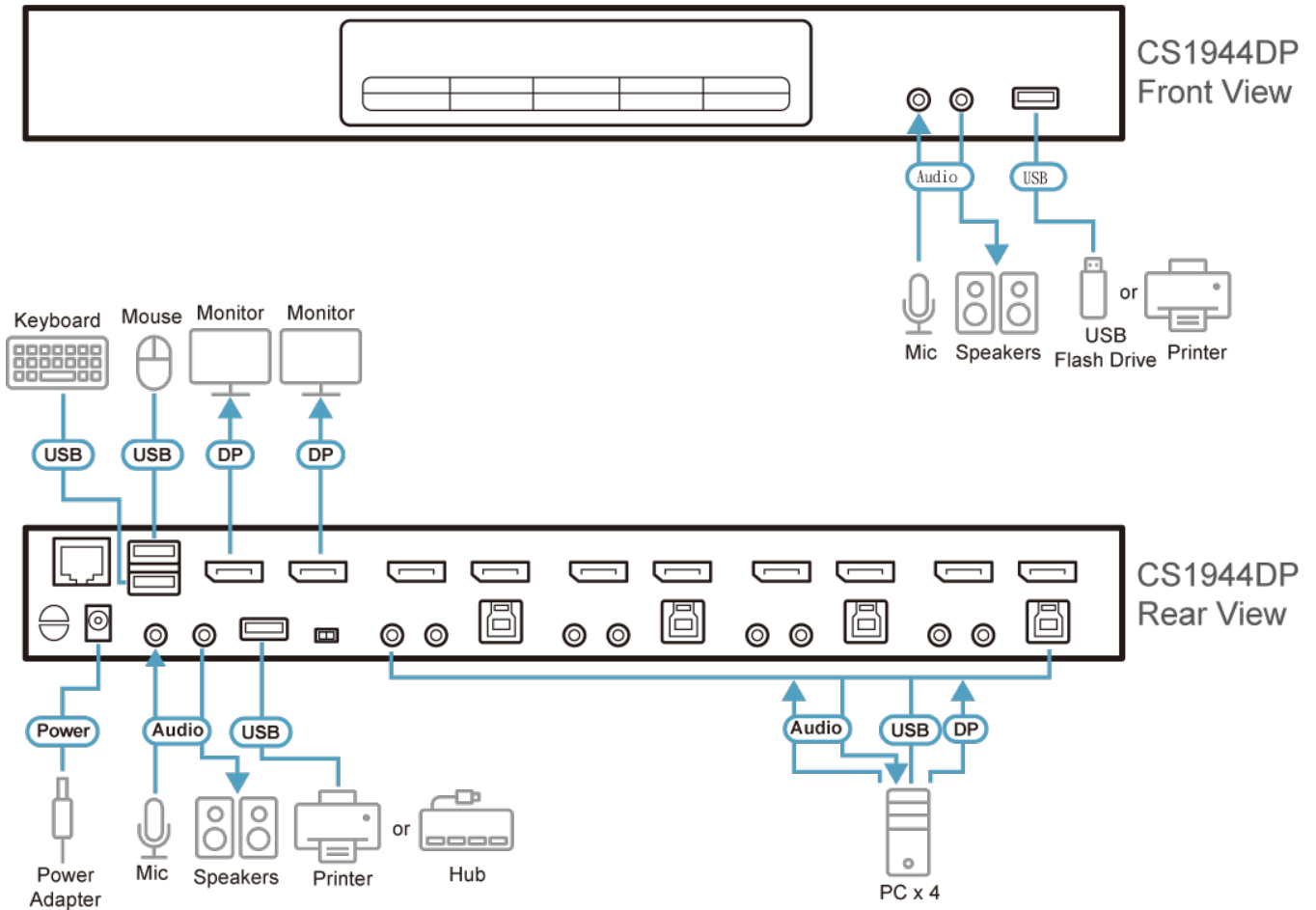
3. For DisplayPort 1.4 compliant display device, make sure to configure the device setting to be compatible with DisplayPort 1.2 to avoid compatibility issue

4. HD audio through DisplayPort cannot be switched independently

Specification

Computer Connections	4
Port Selection	Hotkey, Pushbutton, Mouse, RS-232 Commands
Connectors	
Console Ports	2 x USB Type A Female 2 x DisplayPort 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 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 USB3.1 Gen1 Type A Female (Blue; 1 x front; 1 x rear)
LEDs	
KVM	5 (Orange)
Audio	5 (Green)
USB Link	5 (Green)
Switches	
Selected	5 x Pushbutton
Station Selection	1 x Slide Switch
Emulation	
Keyboard / Mouse	USB
Video	Up to 4096 x 2160 @ 60Hz, 2560 x 1440 @ 144Hz
Scan Interval	1-99 seconds (default: 5 seconds)
Power Consumption	DC12V:6.125W:85BTU/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	0–50°C
Storage Temperature	-20–60°C
Humidity	0-80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	1.51 kg (3.33 lb)
Dimensions (L x W x H)	33.50 x 15.66 x 4.40 cm (13.19 x 6.17 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



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