

2/4-Port USB 3.0 8K DisplayPort Dual-Display KVM™ Switch

CS1942DPA / CS1944DPA

Built on ATEN's enterprise-grade design heritage, the CS1942DPA / CS1944DPA belongs to ATEN's first KVM switch series with 8K support, delivering professional-grade performance and reliable multi-computer control from a single console.

Ultra-High Resolution for Versatile Professional Applications

With DisplayPort 1.4 and HDR 10+, the CS1942DPA / CS1944DPA supports resolutions up to 8K@60Hz and 4K@240Hz high-refresh-rate output, delivering crisp, ultra-smooth visuals and allowing users to view more content simultaneously. Premium internal chipsets and high-quality included cables ensure stable signal transmission and broad wide-screen compatibility, outperforming typical industry alternatives. This makes it ideal for CAD/CAM modeling, financial trading, office desktop productivity, immersive gaming setups, and any workflow that relies on wide-screen or multi-window efficiency.

Centralized Multi-Computer Access for Seamless Workflows

The switch provides a centralized, clutter-free way to manage multiple computers using a single keyboard, mouse, and dual-monitor setup. This streamlined configuration enhances productivity for designers, post-production artists, CAD engineers, and TV broadcasting professionals. All required DisplayPort and USB cables are included, enabling a smooth, plug-and-play experience right out of the box.

Hassle-Free Switching and Ergonomic Design

The CS1942DPA / CS1944DPA features a compact footprint to save desk space and ergonomically designed pushbuttons for comfortable, intuitive switching. Users can also switch between computers via a remote port selector, hotkeys, mouse switching, or RS-232 commands. This flexibility accommodates diverse workflows and user preferences, ensuring smooth and efficient system control.

Daisy-Chain Your Screens. Unlock Quad-Display Productivity

For expanded setups, two units can be daisy-chained to create quad-display configurations—allowing professionals to work across multiple high-resolution screens with exceptional clarity, improving both productivity and visual precision. The built-in USB 3.1 Gen 1 hub delivers SuperSpeed 5 Gbps data transfers, enabling efficient sharing of peripherals without additional USB hubs.



CS1942DPA



CS1942DPA Rear View



CS1944DPA



CS1944DPA Rear View



Features

High-Performance Hardware and Display Capabilities

- Supports Quad-Display by connecting two Dual-Display KVM switches
- Superior video quality – up to 7680 × 4320 @ 60 Hz, 5120 × 2880 @ 60 Hz, and 4096 × 2160 @ 240 Hz
- Two USB 3.1 Gen 1 ports with SuperSpeed 5 Gbps transfer rates
- Supports DisplayPort Dual-Mode technology (DP++)¹
- Supports MST (Multi-Stream Transport)²
- DisplayPort 1.4 compliant
- HDCP compliant
- Supports HDR 10+
- Supports HD Audio³
- Supports hot-plugging

Comprehensive Management and Switching Controls

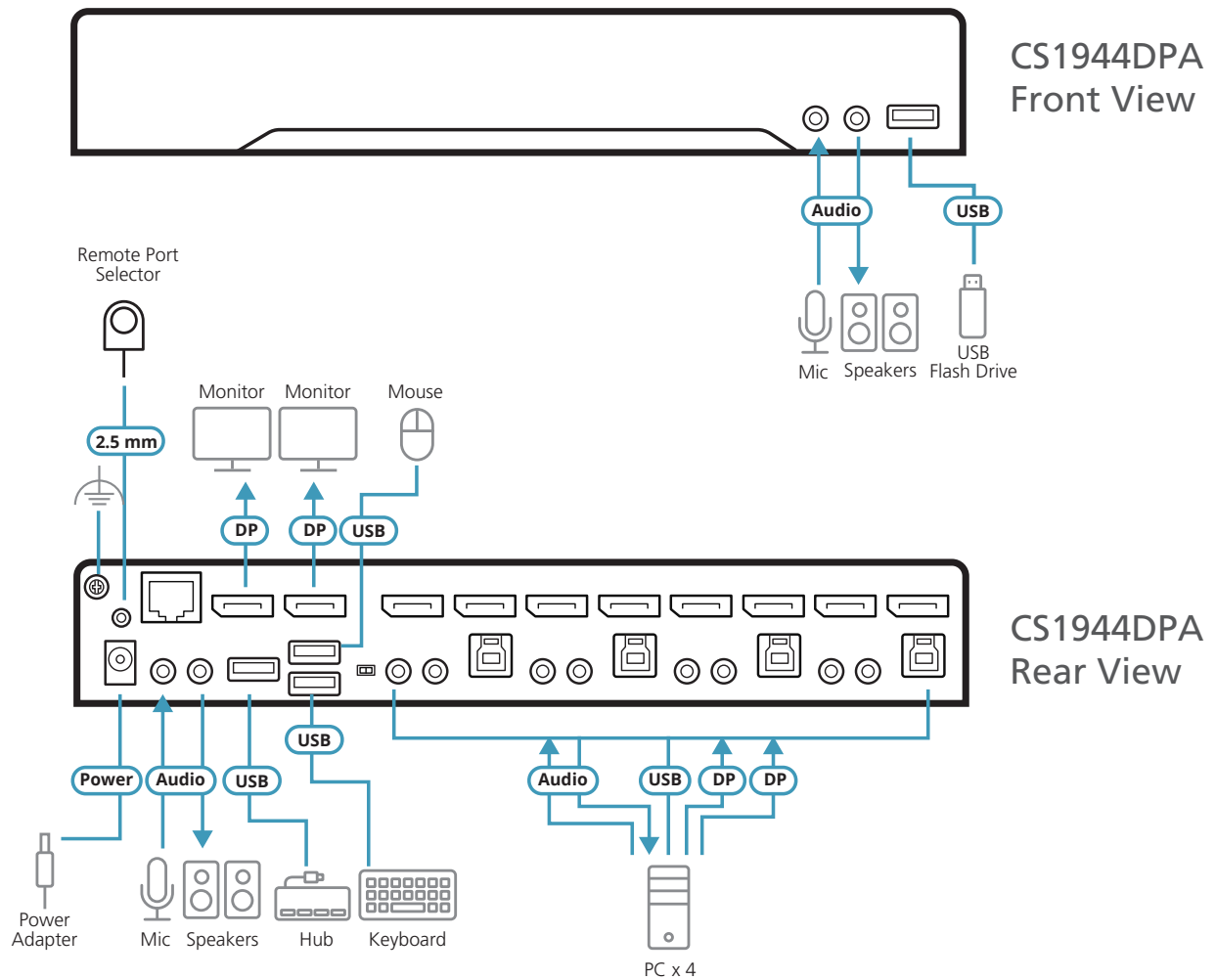
- One USB keyboard and mouse control two or four DisplayPort computers and share two USB peripherals
- Computer selection via pushbuttons, remote port selector, hotkeys, mouse⁴, and RS-232 commands
- Independent switching of KVM, USB, and Audio
- Console keyboard/mouse emulation/bypass support
- Power-on detection automatically switches to the next active computer
- Firmware upgradable – supports performance optimization and compatibility improvements through firmware updates
- Multilingual keyboard mapping – supports English, Japanese, French, and German keyboards⁵

Streamlined, Ready-to-Use Experience

- Plug & play
- All DisplayPort/USB cables and power adapter included for hassle-free installation—no extra purchases needed
- Multiplatform support – Windows, Mac, and Linux

Note:

1. DP++ (DP Dual Mode) requires a DP++ adapter (powered DP++ adapter recommended). The graphics source must be DP++ compliant.
2. MST (Multi-Stream Transport) requires monitors capable of DisplayPort 1.4 daisy-chaining or the use of a powered DisplayPort MST hub. The PC source must be DisplayPort 1.4 compliant. A DisplayPort 1.1a or 1.2 display can be the last display in a DisplayPort 1.4 chain.
3. HD audio through HDMI cannot be switched independently.
4. For 3-button USB wheel mouse only. Mouse-port switching is supported only under mouse emulation mode.
5. PC keyboard combinations emulate Mac keyboards. Mac keyboards only work with Mac computers.



Specifications

	CS1942DPA	CS1944DPA
Computer Connections	2	4
Port Selection	Hotkey, Pushbutton, Mouse wheel, RS-232 Commands, Remote port selector	
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	2 x USB3.1 Gen1 Type-B Female (Blue) 4 x DisplayPort Female (Black) 2 x 3.5mm Audio Jack Female (Green) 2 x 3.5mm Audio Jack Female (Pink)	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)	
Switches		
Selected	3 x Pushbutton	5 x Pushbutton
Station Selection	1 x Slide Switch	
LEDs		
KVM	3 (Orange)	5 (Orange)
Audio	3 (Green)	5 (Green)
USB Link	3 (Green)	5 (Green)
Emulation		
Keyboard / Mouse	USB	
Video	Up to 7680 x 4320@60 Hz, 5120 x 2880@60Hz, 4096 x 2160@240Hz	
Scan Interval	1-99 seconds (default: 5 seconds)	
Power Consumption	DC12V:3.29W	DC12V:4.88W
Environmental		
Operating Temperature	0 – 50°C	
Storage Temperature	-20 – 60°C	
Humidity	0-80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Weight	0.47 kg	0.62 kg
Dimensions (L x W x H)	20.00 x 7.18 x 4.30 cm	26.00 x 7.18 x 4.30 cm

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