2/4-Port USB 3.0 8K DisplayPort Dual-Display KVMP™ 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@120Hz 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.

8K | HDR | Console USB | Computers USB | DisplayPort | Dual Display | Audio Mic. & Speaker | USB 3.0 Peripherals | Mouse Port Switching | Wide Screen Support

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 @ 120 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 Audio[3]
- Supports hot-plugging
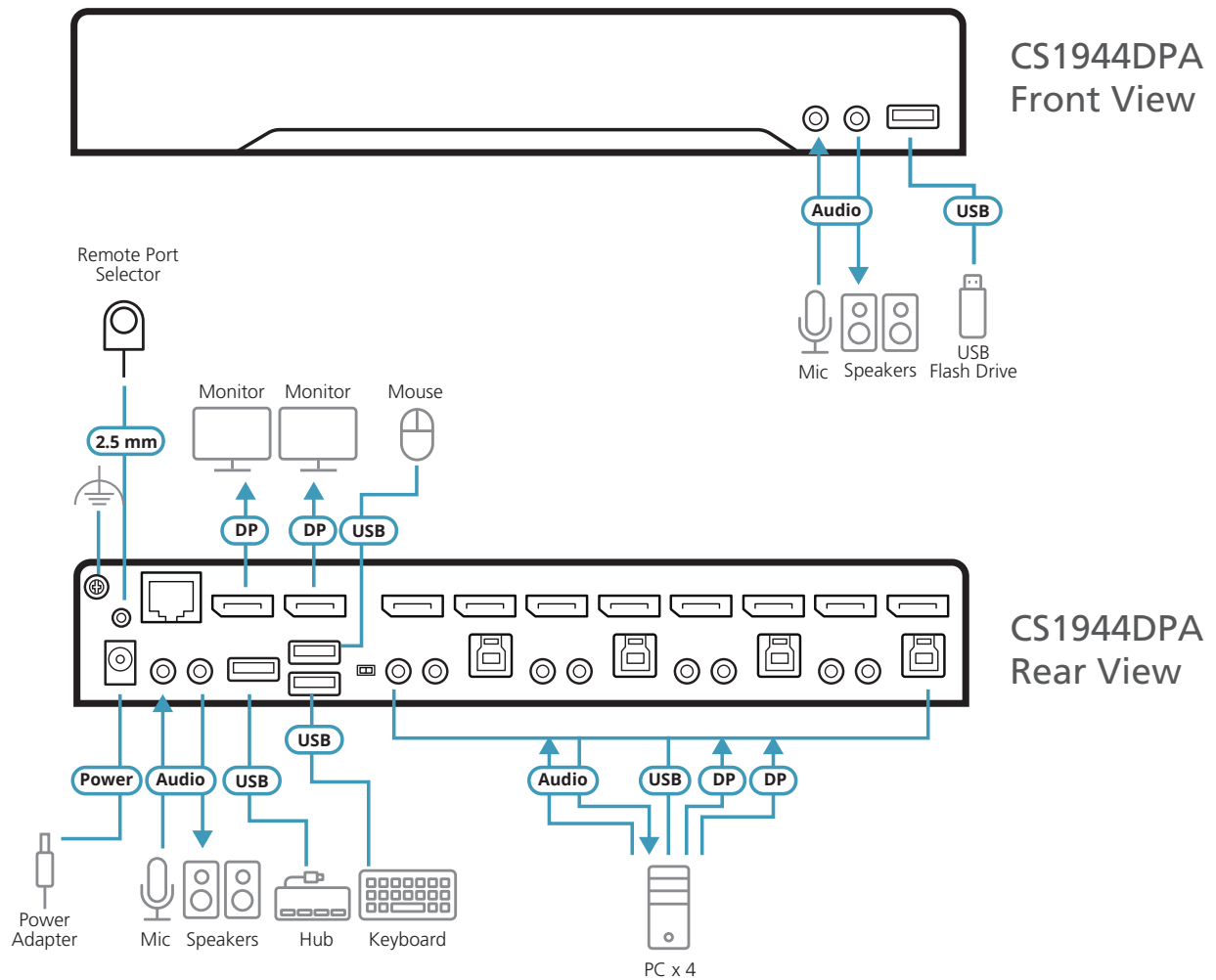
Comprehensive Management and Switching Controls

- One USB keyboard and mouse control two or four DisplayPort computers and share two USB peripherals
- Computer selection via pushbuttons, remote port selector, hotkeys, mouse[4], 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
- Multilingual keyboard mapping – supports English, Japanese, French, and German keyboards[5]

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.

CS1944DPA
Front View

Audio

USB

Mic Speakers

USB
Flash Drive

Remote Port
Selector

2.5 mm

Monitor Monitor Mouse

DP DP USB

CS1944DPA
Rear View

USB

Power Audio USB

Audio USB DP DP

Power
Adapter

Mic Speakers Hub Keyboard

PC x 4

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@120Hz	
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 x7.18 x 4.30 cm	26.00 x 7.18 x 4.30 cm