

## 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@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.



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++)<sup>1</sup>
- Supports MST (Multi-Stream Transport)<sup>2</sup>
- DisplayPort 1.4 compliant
- HDCP compliant
- Supports HDR 10+
- Supports HD Audio<sup>3</sup>
- Supports hot-plugging

### Comprehensive Management and Switching Controls

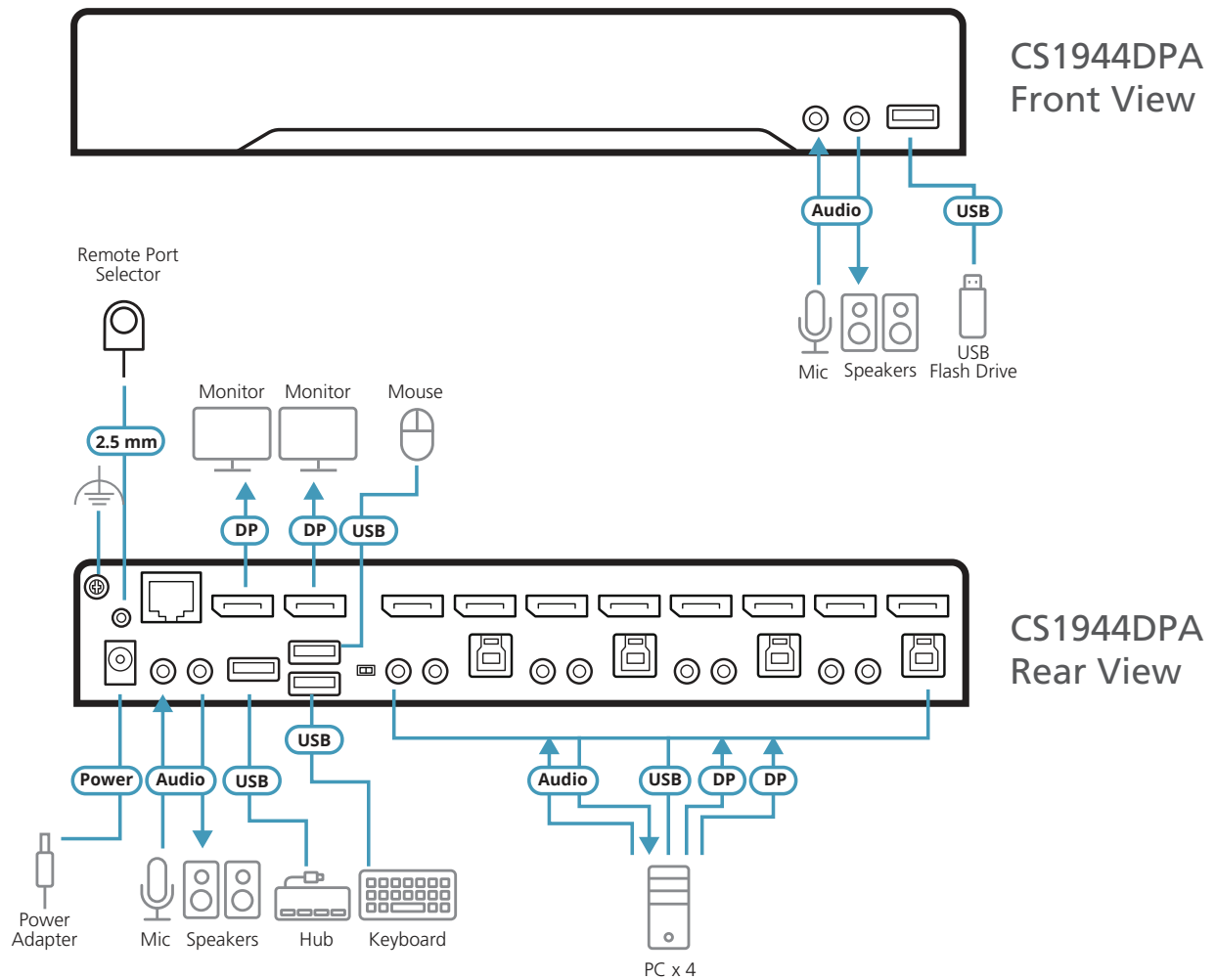
- One USB keyboard and mouse control two or four DisplayPort computers and share two USB peripherals
- Computer selection via pushbuttons, remote port selector, hotkeys, mouse<sup>4</sup>, and RS-232 commands
- Independent switching of KVM, USB, and Audio
- Console keyboard/mouse emulation/bypass support
- Power-on detection automatically switches to the next active computer
- Firmware upgradable
- Multilingual keyboard mapping – supports English, Japanese, French, and German keyboards<sup>5</sup>

### 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<br>2 x DisplayPort Female (Black)<br>2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear)<br>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)<br>4 x DisplayPort Female (Black)<br>2 x 3.5mm Audio Jack Female (Green)<br>2 x 3.5mm Audio Jack Female (Pink)                            | 4 x USB3.1 Gen1 Type-B Female (Blue)<br>8 x DisplayPort Female (Black)<br>4 x 3.5mm Audio Jack Female (Green)<br>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                                                                                                                              |

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