

## CS1922ATC

2-Port USB 3.0 4K DisplayPort KVMP™ Switch for ATC



The ATEN CS1922ATC 2 Port USB 3.0 4K DisplayPort KVMP™ Switch for ATC is tailor-made for Air Traffic Control scenarios. It supports 2Kx2K resolution, making it perfect for radar monitoring, and also enables constant monitoring of flight information and mission-critical processes.

The Zero-Second Switch function ensures nearly real-time switching without any black screens, providing air traffic controllers instant access to two USB / DisplayPort-interfaced ATC computers for crucial operations. Port switching is flexible via pushbuttons, hotkeys, mouse, RS-232 commands, or an optional accessory the remote port selector.

With two lockable DC jacks for power redundancy, the CS1922ATC ensures uninterrupted operation and constant availability for mission-critical applications. It aims to greatly minimize or eliminate the risk of downtime.

Patented ATEN technology – [Video DynaSync™](#), and EDID expert™, combined with [DisplayPort 1.2](#) and video resolutions up to 4K @ 60 Hz, it delivers optimized display resolution with exceptional detail and clarity in all conditions.

The CS1922ATC creates a safer environment and enhanced operational efficiency for Air Traffic Control Towers, Approach Control Rooms, and Area Control Centers, specifically tailored to the air traffic control industry.



### Features

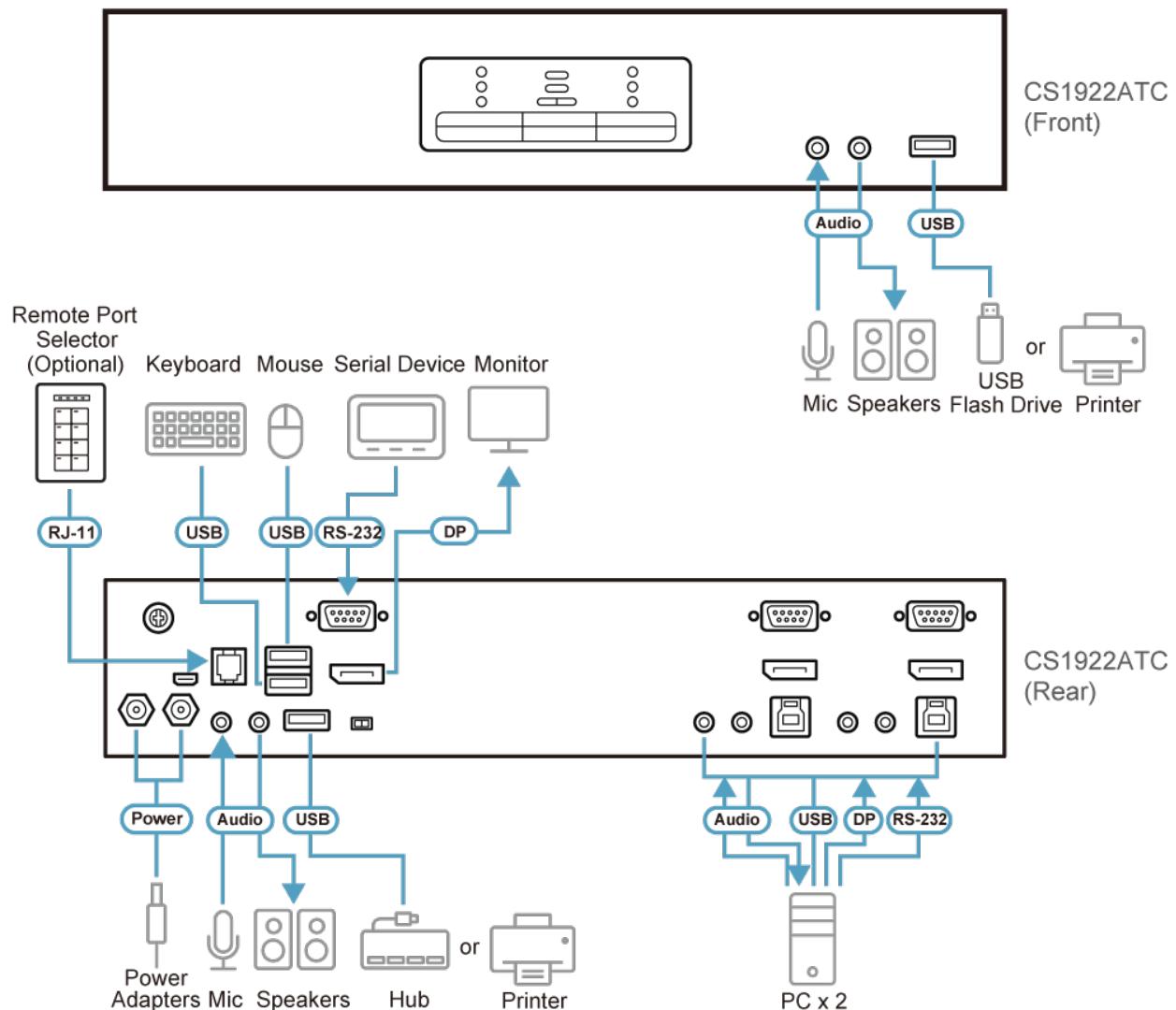
- One USB / DisplayPort console controls 2 DisplayPort computers and shares 2 USB peripherals
- Supports 2048 x 2048 @ 60 Hz screen resolutions dedicated for radar monitoring; maximum resolution up to 4096 x 2160 @ 60 Hz
- Zero-Second Switch – provides continuous video stream and real-time switching
- Supports power failover – 2 lockable DC jacks for power redundancy to ensure constant availability for mission-critical applications
- Supports serial port switching for legacy devices, maintaining compatibility with existing device interfaces
- Computer Selection via front panel pushbuttons, hotkeys, mouse, RS-232 commands, and remote port selector
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- EDID Expert™ – smooth power- up, high-quality display and use of the best video resolution across different screens
- Built-in 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- DisplayPort 1.2, and HDCP compliant
- Supports HD audio\*
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Console keyboard emulation / bypass feature supports most multimedia keyboards
- Multilingual keyboard mapping – supports English, French, Japanese, and German keyboards
- Power on detection
- Auto scan
- Firmware upgradable

Note: HD audio through DisplayPort cannot be switched independently

**Specifications**

|                        |   |
|------------------------|---|
| Computer Connections   | 2   |
| Port Selection         | Hotkeys, Pushbutton, Mouse, RS232 commands, Remote Port Selector  |
| Connectors             |   |
| Console Ports          | 2 x USB Type A Female (Black)<br>1 x DisplayPort Female (Black)<br>2 x 3.5mm Stereo Jack Female (Green; 1 x front, 1 x rear)<br>2 x 3.5mm Stereo Jack Female (Pink; 1 x front, 1 x rear)<br>1 x DB-9 Male   |
| KVM (Computer) Ports   | 2 x USB3.1 Gen1 Type B Female (Blue)<br>2 x DisplayPort Female (Black)<br>2 x 3.5mm Audio Jack Female (Green)<br>2 x 3.5mm Audio Jack Female (Pink)<br>2 x DB-9 Female  |
| Power                  | 2 x Lockable DC Jack  |
| USB Hub                | 2 x USB3.1 Gen1 Type A Female (Blue; 1 x front panel; 1 x rear panel)   |
| Remote Port Selector   | 1 x RJ-11 Female  |
| Firmware Upgrade       | 1 x micro USB Female  |
| Switches               |   |
| Selected               | 3 x Pushbutton  |
| LEDs                   |   |
| USB Link               | 2 (Green)   |
| Audio                  | 2 (Green)   |
| KVM                    | 2 (Orange)  |
| Emulation              |   |
| Keyboard / Mouse       | USB   |
| Video                  | Up to 4096 x 2160 @ 60Hz  |
| Power Consumption      | DC12V:16.09W:134BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● 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                 | 1.86 kg ( 4.1 lb )  |
| Dimensions (L x W x H) | 33.50 x 16.10 x 6.55 cm<br>(13.19 x 6.34 x 2.58 in.)  |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.   |

## Diagram


**ATEN International Co., Ltd.**

3F, No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
[www.aten.com](http://www.aten.com) E-mail: [marketing@aten.com](mailto:marketing@aten.com)



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