# 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 the air traffic control industry.
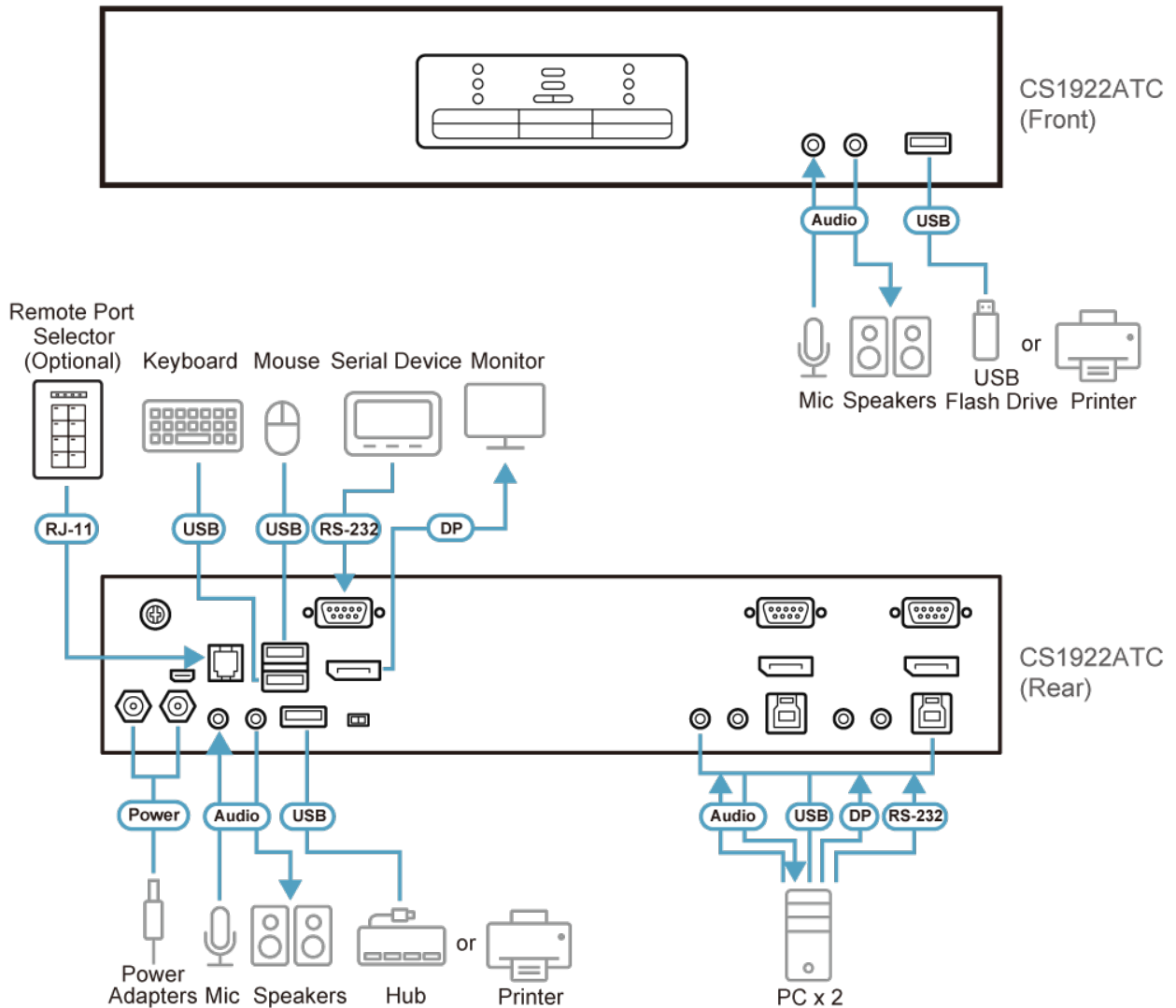
## Features

- 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

**Specification**

| | |
|---|---|
| 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**



CS1922ATC
(Front)

Audio

USB

Mic  Speakers  USB Flash Drive  or  Printer

Remote Port Selector (Optional)  Keyboard  Mouse  Serial Device  Monitor

RJ-11  USB  USB  RS-232  DP

CS1922ATC
(Rear)

Power  Audio  USB

Power Adapters  Mic  Speakers  Hub  or  Printer

Audio  USB  DP  RS-232

PC x 2