

CS19208

8-Port USB 3.0 4K DisplayPort KVM Switch



The ATEN CS19208 8-Port USB 3.0 4K DisplayPort KVM Switch can effectively access and control up to 8 DisplayPort computers from a single USB keyboard, USB mouse, and monitor console. With its dual interface console, users can choose between DisplayPort/HDMI video output supporting high video quality up to 4K DCI (4096 x 2160 @ 60Hz), presenting crystal-clear visuals.

To meet the needs of easy expansion and flexibility, the CS19208 can be cascaded to two levels to control up to 128 computers from a single console. Furthermore, the CS19208 supports multi-display function by stacking up to eight CS19208 units to compare and analyze information on 8 monitors at most, which substantially streamlines the working environment.

With two patented ATEN technology – Video DynaSync™ and EDID Expert™, the CS19208 can optimize display resolution, accelerate switching between ports and power up smoothly while eliminating boot-up display problems.

Besides, the CS19208 comes with a built-in USB 3.1 Gen 1 hub delivering data transfer rates up to 5 Gbps, allowing users to speed up operations and share USB peripherals instantly. For user-friendly port selection methods, the CS19208 offers pushbuttons, hotkeys, RS-232 commands, and OSD with newly-designed UI, bringing effortless and intuitive operations.

To eliminate security concern, a two-level password authorization is available to enhance security protection for accessing and controlling computers. Consolidating these advantageous functionalities, the CS19208 is ideal for server room/computer room management applied in industries with requirements for high-quality images and multitasking, such as Enterprise, Government, Production, Telecom, Finance, Medical Healthcare, Industrial Automation, etc.

Features

- One USB console controls up to eight DisplayPort interface computers and two additional USB 3.0 peripheral devices
- Cascadable to two levels – controls up to 128 computers ¹
- Multi-Display feature – stack up to eight CS19208 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- EDID Expert™ – selects optimum EDID mode for smooth power-up and highest quality display
- Supports a DisplayPort or HDMI video output – allows you to choose an appropriate video output and deploy console with flexibility
- Superior video quality – up to 4K DCI (4096 x 2160 @ 60Hz)
- Built-in 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Audio enabled – full bass response provides a rich experience for 2.1 channel stereo sound
- Supports HD audio²
- Computer selection via pushbuttons, hotkeys, OSD, and RS-232 commands
- Independent switching of KVM and USB peripheral focus ³
- Two-level (administrator/user) password authorization for enhanced security protection
- Broadcast mode – operations can be simultaneously performed on all selected computers, such as software installation and upgrading, system-wide shutdown, etc.
- Auto Scan Mode for monitoring all computers
- Console mouse port emulation/bypass feature supports most mouse drivers and multifunction mice
- Multilingual keyboard mapping – supports English (US), English (UK), German (GER.), German (SWISS), French, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish, Traditional Chinese, and Simplified Chinese
- Mac/Sun keyboard support and emulation⁴
- Supports hot-plugging
- DisplayPort 1.2 compliant; HDCP 2.2 compliant
- Multiplatform support – Windows, Linux, Mac, and Sun
- Firmware upgradable
- Supports multimedia, wireless keyboards and mouse

Note:

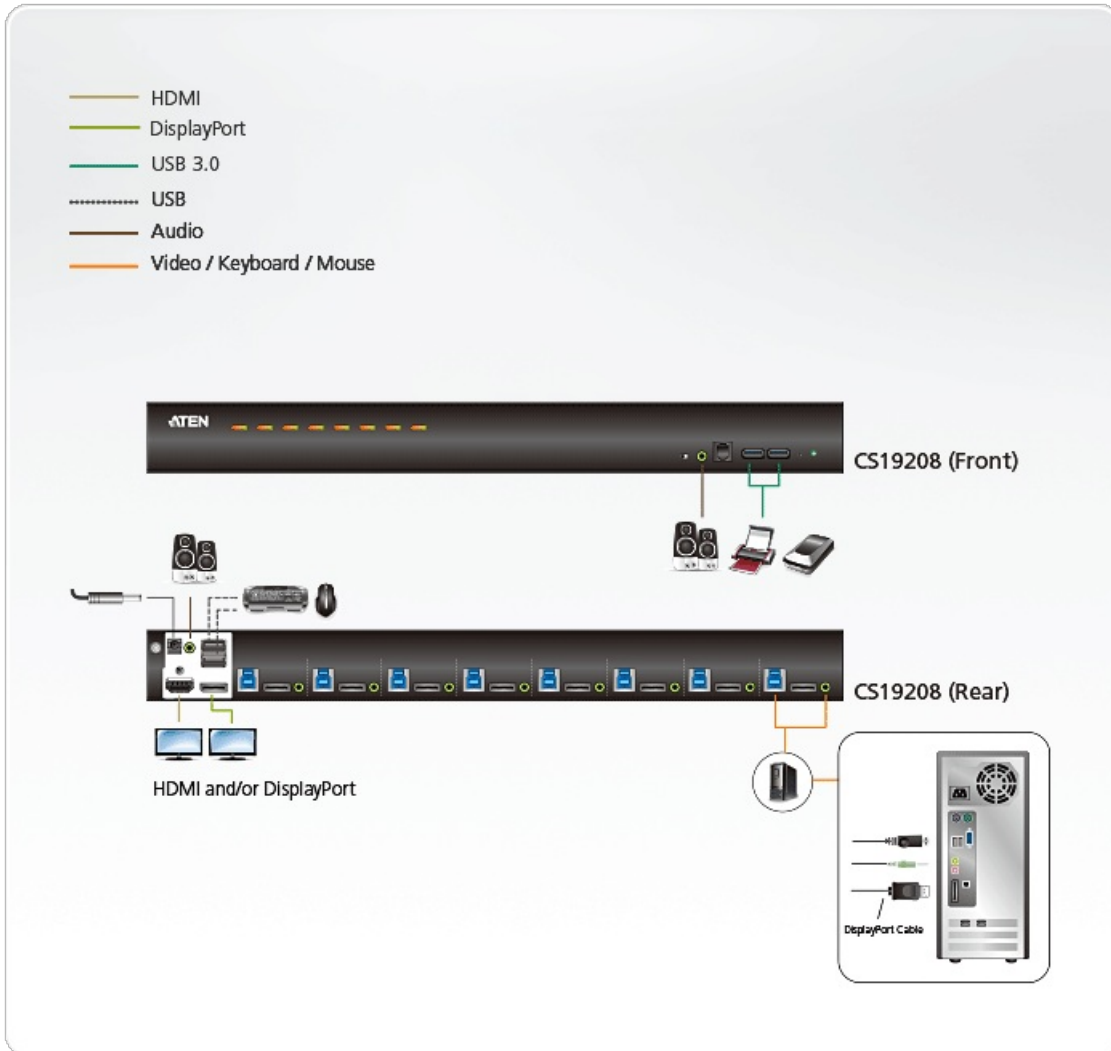
1. Cascading between CS19208 and [CS19216](#) is available.
2. HD audio through HDMI and DisplayPort channel cannot be switched independently.
3. Independent switching is only supported under mouse emulation mode.
4. PC keyboard combinations emulate Mac/Sun keyboards; Mac/Sun keyboards work only with their own computers.

Specification

Computer Connections	
Direct	8
Maximum	128 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton, RS-232 Commands
Connectors	
Console Ports	1 x DisplayPort Female 1 x HDMI Female (Black) 2 x USB Type A Female 2 x 3.5mm Audio Jack Female (Green; 1 x front, 1 x rear)
KVM Ports	8 x DisplayPort Female 8 x USB3.1 Gen1 Type B Female (Blue) 8 x 3.5mm Audio Jack Female (Green)
Firmware Upgrade	1 x RJ11 Female (Black)
Power	1 x DC Jack
USB Hub	2 x USB3.1 Gen1 Type A Female (Blue; 2 x front)
Switches	
Port Selection	8 x Pushbutton

Reset	1 x Semi-recessed Pushbutton
Firmware Upgrade Recovery	1 x Slide Switch
LEDs	
On Line /Selected	8 (Orange)
Power	1 (Green)
USB Link	8 (Green)
Emulation	
Keyboard / Mouse	USB
Video	DisplayPort: 4096 x 2160 @ 60Hz; HDMI: 4096 x 2160 @ 60Hz
Scan Interval	0 – 255 seconds (default: 5 secs.)
Power Consumption	DC12V:18.44W:136BTU/h Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 – 40°C
Storage Temperature	-20 – 60°C
Humidity	0 – 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	3.11 kg (6.85 lb)
Dimensions (L x W x H)	43.24 x 21.43 x 4.40 cm (17.02 x 8.44 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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