8/16-Port USB 3.0 4K DisplayPort KVM Switch

CS19208 / CS19216

The ATEN CS19208/CS19216 8/16-Port USB 3.0 4K DisplayPort KVM Switch can effectively access and control up to 8/16 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/CS19216 can be cascaded to two levels to control up to 128/256 computers from a single console. Furthermore, the CS19208/CS19216 supports multi-display function by stacking up to eight CS19208/CS19216 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/CS19216 can optimize display resolution, accelerate switching between ports and power up smoothly while eliminating boot-up display problems.

Besides, the CS19208/CS19216 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/C19216 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/CS19216 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.

CS19216 Front view



CS19216 Rear view



Features

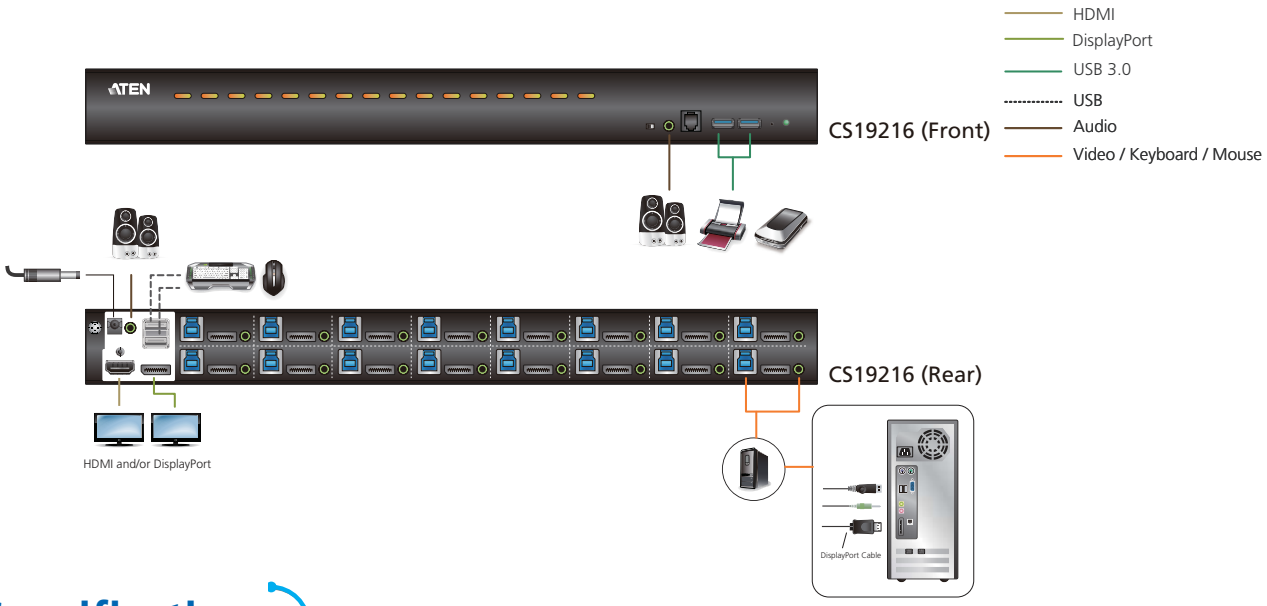
- One USB console controls up to eight (CS19208) or sixteen (CS19216) DisplayPort interface computers and two additional USB 3.0 peripheral devices
- Cascadable to two levels – controls up to 128/256 computers (CS19208/CS19216)[1]
- Multi-Display feature – stack up to eight CS19208/CS19216 units and 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 audio[2]
- 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 emulation[4]
- 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.

Highlights

Easy Operation	• Computer selection via pushbuttons, hotkeys, on-screen display (OSD) menu, and RS-232 commands. • Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French.
Auto Scan and Broadcast Mode	• Auto Scan Mode for continuously monitoring all computers. • Broadcast mode sends commands from the console to all computers, allowing users to perform operations on them simultaneously, such as software installation and upgrades, system-wide shutdown, etc.
Multi-Display	Stack up to eight CS19208/CS19216 units and display video from up to eight monitors for dual display / triple display / quad display / multi-display.
Superior Video Quality	Supports video resolution up to 4096 x 2160 @ 60Hz.
Video DynaSync™	An exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources.



Specifications

Function	CS19208	CS19216
Computer Connections		
Direct	8	16
Maximum	128 (via Cascade)	256 (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 USB 3.1 Gen1 Type B Female (Blue) 8 x 3.5mm Audio Jack Female (Green)	16 x DisplayPort Female 16 x USB 3.1 Gen1 Type B Female (Blue) 16 x 3.5mm Audio Jack Female (Green)
Firmware Upgrade	1 x RJ-11 Female (Black)	
Power	1 x DC Jack	
USB Hub	2 x USB 3.1 Gen1 Type A Female (Blue; 2 x front)	
Switches		
Port Selection	8 x Pushbutton	16 x Pushbutton
Reset	1 x Semi-recessed Pushbutton	
Firmware Upgrade Recovery	1 x Slide Switch	
LEDs		
Online / Selected	8 (Orange)	16 (Orange)
USB Link	8 (Green)	16 (Green)
Power	1 x (Green)	
Emulation		
Keyboard / Mouse	USB	
Video	DisplayPort: 4096 x 2160 @ 60Hz; HDMI: 4096 x 2160 @ 60Hz	
Scan Interval	0 – 255 seconds (default: 5 sec.)	
Power Consumption	DC12V: 18.44W: 136BTU	DC12V: 26.66W: 175BTU
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	3.54 kg
Dimensions (L x W x H)	43.24 x 21.43 x 4.40 cm	

Product information is subject to change without prior notice.

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