

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

CS18208 / CS18216

The ATEN CS18208 / CS18216 8/16-Port USB 3.0 4K HDMI KVM Switch can effectively access and control up to 8/16 HDMI computers from a single USB keyboard, USB mouse, and HDMI monitor console. The CS18208 / CS18216 supports 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 CS18208 / CS18216 can control up to 512 / 256 computers by cascading to three / two levels for a single console. Furthermore, the CS18208 / CS18216 supports multi-display function by stacking up to eight CS18208 / CS18216 units to compare and analyze information on 8 monitors at most, which substantially streamlines the working environment.

With two patented ATEN technologies — Video DynaSync™ and EDID Expert™, the CS18208 / CS18216 can optimize display resolution, accelerate switching between ports and power up smoothly while eliminating boot-up display problems.

Besides, the CS18208 / CS18216 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 CS18208 / CS18216 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 CS18208 / CS18216 is ideal for server room or computer room management applied in industries with requirements for high-quality images and multitasking, such as enterprise, government, production, telecom, finance, media, content provider, video surveillance, etc.

CS18216 Front View



CS18216 Rear View



Features

- One USB console controls up to 8 (CS18208) or 16 (CS18216) HDMI interface computers and two additional USB 3.1 Gen 1 peripheral devices
- Cascadable to three levels — controls up to 512 computers (CS18208)¹; or to two levels — up to 256 computers (CS18216)
- Multi-Display feature — stacks up to eight CS18208 / CS18216 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
- 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 focus³
- 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
- HDMI compliant; HDCP 2.2 compliant
- Multiplatform support — Windows, Linux, Mac, and Sun
- Firmware upgradable
- Supports multimedia, wireless keyboards and mouse

Note: 1. CS18208 cascades to CS18208 only.

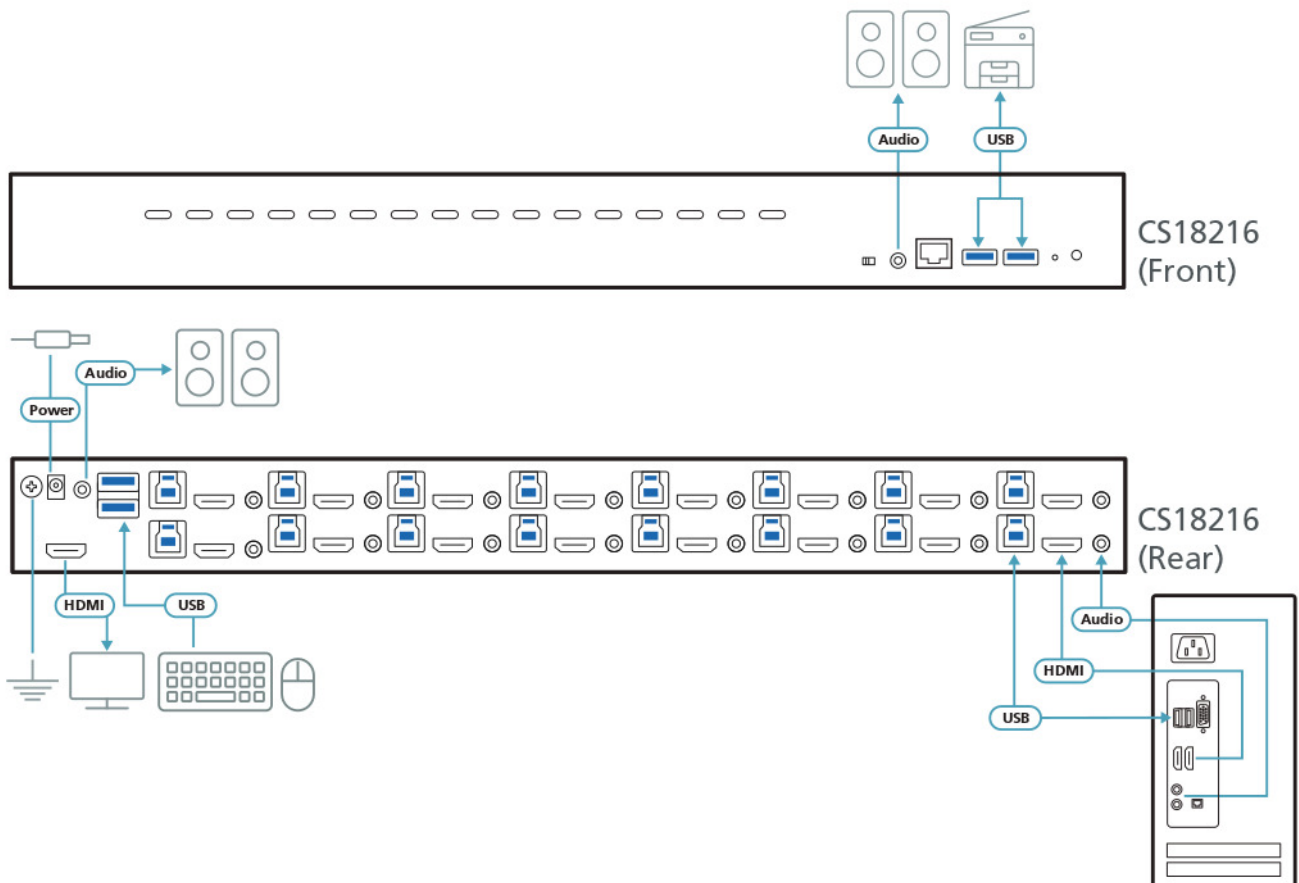
2. HD audio through HDMI channel cannot be switched independently.

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 shutdowns, etc.
Multi-Display	Stacks up to eight CS18208 / CS18216 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

	CS18208	CS18216
Computer Connections		
Direct	8	16
Maximum	512 (via Cascade)	256 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton, RS-232 commands	
Connectors		
Console Ports	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 HDMI Female 8 x USB 3.1 Gen1 Type B Female (Blue) 8 x 3.5mm Audio Jack Female (Green)	16 x HDMI 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 (Green)	
Emulation		
Keyboard / Mouse	USB	
Video	HDMI: 4096 x 2160 @ 60Hz	
Scan Interval	0 – 255 seconds (default: 5 sec.)	
Power Consumption	DC12V: 9.77W: 88BTU	DC12V: 13.12W: 104BTU
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	

