4K USB 3.0 Rack KVM Switches

Brochure

ATEN
Simply Better Connections

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The Flagships of Sustainable Server Management

Maintaining effective IT operations is crucial to keeping businesses and services running. With workforces navigating the adjustments of the new normal, sustaining 24/7 uninterrupted IT services while remaining competitive has become more mission-critical than ever. Meanwhile, as the amount of data has continued to grow exponentially over the years, boosting operational efficiency remains the focal point for data center and server room professionals as they strive to streamline routine procedures in automated processes, such as data entry, feature testing, BIOS flash, system updates, and much more.
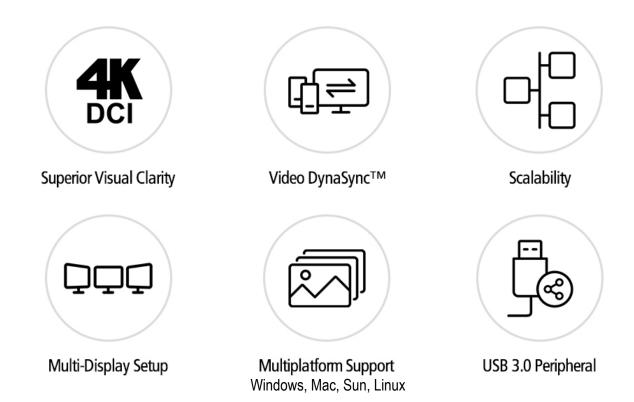
The Flagships of Sustainable Server Management

ATEN 4K USB 3.0 Rack KVM Switches (CS18208 / CS18216 / CS19208 / CS19216), featuring superior 4K video quality, USB 3.0 peripheral agility, and space-saving rackmount capability, allow 8 or 16 computers to be centrally controlled via a single console where IT engineers are enabled to expedite system operations by configuring multiple units simultaneously instead of working one at a time; routine or repetitive tasks and procedures can be promptly replicated and broadcasted on multiple computers in seconds, slashing time, space, and cost, while pursuing strengthened enterprise productivity.

ATEN | Features

Superior Visual Clarity

Video DynaSync™

Scalability

Multi-Display Setup

Multiplatform Support
Windows, Mac, Sun, Linux
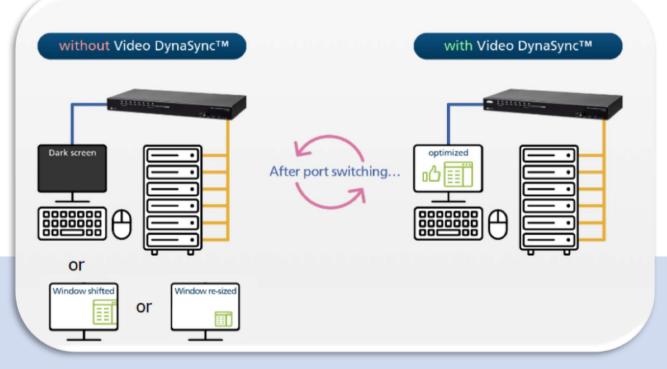
USB 3.0 Peripheral

Spectacular 4K DCI Visual Performance

With connection to HDMI or DisplayPort-enabled computers, 4K USB 3.0 Rack KVM Switch series effortlessly enriches console desktop operations with up to 4K DCI (4096 x 2160 @60 Hz) visual excellence. Video sources of high resolution visuals and imaging are displayed with great precision for improved analysis.
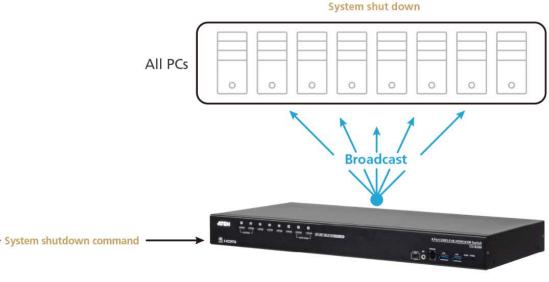
Video DynaSync™

Empowered by patented ATEN technology – Video DynaSync™, Rack KVM Switches deliver a smooth viewing experience by maintaining the ideal video settings under all operating systems when switching between ports, speeding up switching between systems, and powering up uninterruptedly while eliminating boot-up display problems.

ATEN

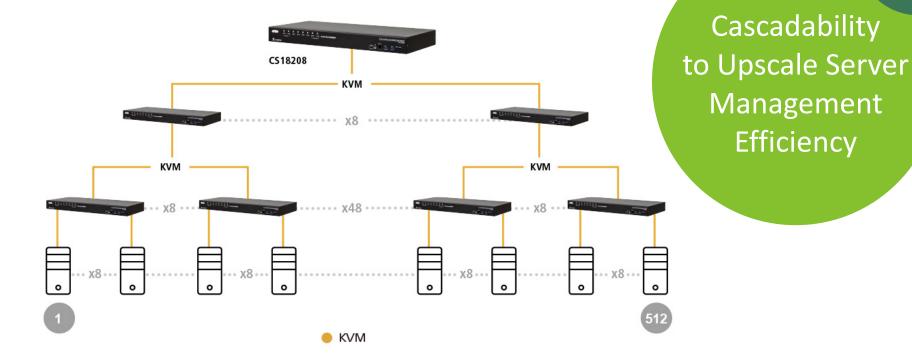**Broadcast Mode to Expedite Timely Configurations**

The practical and efficient Broadcast Mode can be easily invoked via OSD or serial commands to perform the same task or command simultaneously on all connected computers across different OS platforms, including software installation and upgrading, function testing, BIOS flash update, system-wide shutdown, and more, making server management effortless and hassle-free.

System shut down

All PCs

Broadcast

Enable system shutdown

System shutdown command

4K USB 3.0 Rack KVM Switch

Cascadability to Upscale Server Management Efficiency

CS18208

KVM

x8

KVM   KVM

x8   x48   x8

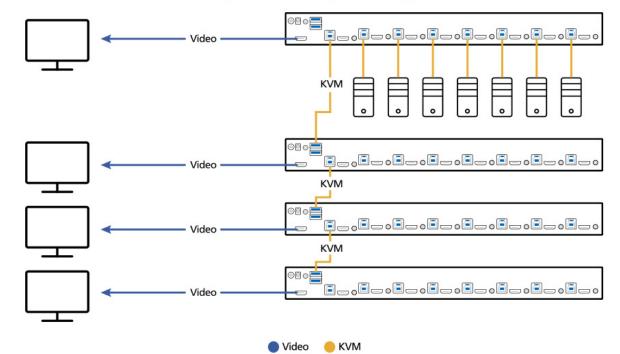x8   x8   x8   x8

1   512

● KVM

By connecting computers to a 4K USB 3.0 Rack KVM Switch, the number of connected computers can be scaled up to 256 by cascading the CS19216 in 2 levels, or 512 by cascading the CS18208 in 3 levels, leaving room and flexibility for network expansion when needed.

Resilient Multi-Display Setup to Facilitate Live Feeds

Quad-Display Setting

When a large amount of complex content needs to be viewed at once or there's a need to examine intensive data for analysis, up to 8 Rack KVM Switches can be stacked up to allow up to 8 monitors to be set up in a multi-display configuration (such as dual- / triple- / quad-display) to facilitate live feeds among computers at the console desktop.

Superb Data Transfer Rate for Swift Peripheral Sharing

The built-in 2-port USB 3.1 Gen 1 hub supports plug-n-play connection to two peripheral devices (e.g., printer, scanner, flash drive, etc.) for high-speed data transmission of up to 5 Gbps transfer rate, making console desktop operations agile and efficient.

Flexible Port-Switching Methods for Uplifted Productivity

Port switching is as easy and convenient as pressing the front-panel pushbuttons, pressing supported hotkeys, using the OSD, or entering RS-232 commands, whichever works best for you.

Space-Efficient 2-in-1U Rack Mounting

The ATEN 2-in-1U Mounting Kit (model: 2K-0001 / 2K-0002) enables the housing of an ATEN Rack KVM Switch with an ATEN Ultra Short Depth LCD Console in a 1U rack space, facilitating rack installation with optimum space efficiency.

In scenarios where operations need to be performed on many computers during a process involving assembly, BIOS flash update, OS installation, component scanning, system-wide shutdown, or testing, the deployment of either CS18208, CS18216, CS19208, or CS19216 Rack KVM Switches or any combination can streamline all the configurations from a single console desktop via the exclusive Broadcast Mode.

- ✅ USB 3.0 high data transfer rate
- ✅ Broadcast Mode to apply configurations to all computers at once
- ✅ Plug-n-play peripheral connection for quick file sharing
- ✅ Multiplatform support: Windows, Linux, Mac, and Sun
- ✅ Video DynaSync™ to optimize video settings with EDID Expert™
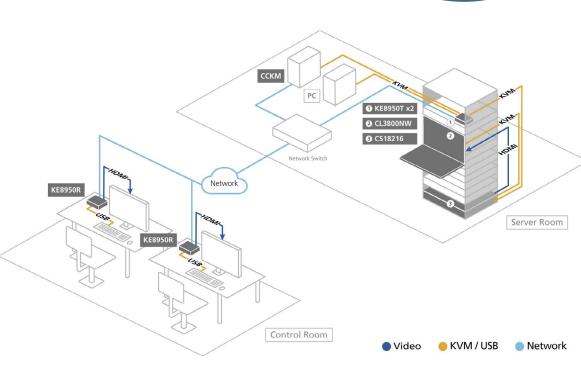- ✅ Network expandability in tandem with IP KVM extenders

In order to effectively and effortlessly manage stacks of servers in server rooms or data centers, the deployment of ATEN 4K USB 3.0 Rack KVM Switches, or in combination with an LCD KVM console, can function as a local shared platform to undertake operations on connected servers all at once. Meanwhile, connecting servers to an IP KVM extender or KVM over IP switch, on the other hand, further allows data to be remotely transmitted over an IP network for surveillance, monitoring, and broadcasting purposes, for example, in a control room application.

- USB 3.0 high data transfer rate
- Broadcast Mode to expedite configurations to computers all at once
- Space-saving rack installation
- 4K visual excellence
- Network expandability in tandem with IP KVM extenders

CCKM
PC
❶ KE8950T x2
❷ CL3800NW
❸ CS18216
Network Switch
KVM
KVM
HDMI
Server Room

KE8950R
HDMI
USB
Network
KE8950R
HDMI
USB
Control Room

● Video   ● KVM / USB   ● Network

	CS19216 16-Port USB 3.0 4K DisplayPort KVM Switch	CS19208 8-Port USB 3.0 4K DisplayPort KVM Switch
Number of Computers	16	8
Console Interface	USB, HDMI, DisplayPort	USB, HDMI, DisplayPort
Max. Computers controlled	256	128
Computer Interface	USB, DisplayPort	USB, DisplayPort
Port Selection	OSD, Hotkey, Pushbutton, RS- 232 commands	OSD, Hotkey, Pushbutton, RS- 232 commands
Max. Resolution	4096 x 2160@60Hz	4096 x 2160@60Hz
Audio Enable	✓	✓
Broadcast Mode	✓	✓
USB Peripheral	✓	✓
Firmware Upgradable	✓	✓
Video DynaSync™	✓	✓
Auto Scan	✓	✓
Independent Switching	✓	✓
RS-232 Control	✓	✓

	CS18216 16-Port USB 3.0 4K HDMI KVM Switch	CS18208 8-Port USB 3.0 4K HDMI KVM Switch
Number of Computers	16	8
Console Interface	USB, HDMI	USB, HDMI
Max. Computers controlled	256	512
Computer Interface	USB, HDMI	USB, HDMI
Port Selection	OSD, Hotkey, Pushbutton, RS-232 commands	OSD, Hotkey, Pushbutton, RS-232 commands
Max. Resolution	4096 x 2160@60Hz	4096 x 2160@60Hz
Audio Enable	✓	✓
Broadcast Mode	✓	✓
USB Peripheral	✓	✓
Firmware Upgradable	✓	✓
Video DynaSync™	✓	✓
Auto Scan	✓	✓
Independent Switching	✓	✓
RS-232 Control	✓	✓

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