

# KH2508A/KH2516A

## 2-console 8/16-port Cat 5 High-Density KVM Switch



The KH2508A and KH2516A KVM switches are control units that allow IT administrators to access and control multiple computers from two PS/2 or USB KVM consoles (one bus). Operators working at up to two consoles can independently and simultaneously take control of up to 8 (KH2508A), or 16 (KH2516A), computers. By daisy chaining up to 31 additional switches, as many as 512 computers can be controlled from the original KVM consoles.

These switches have been designed with unique and powerful features that enable administrators to manage their entire server room and data center devices easily and conveniently.

For example, the advanced Adapter ID feature stores the Adapter Cable's configuration information – such as its ID, port name, OS, keyboard language, etc. This feature allows administrators to relocate servers to different ports without having to reconfigure the adapters. Other advances found with these switches includes enhanced video quality – extending the distance to the servers to up to 50 m\* at a resolution of 1280 x 1024.

A KH2508A or KH2516A installation provides one of the best, and most economical, solutions ATEN offers to the SMB market. There is no better way to save time, space, and money than with a KH2508A or KH2516A KVM switch.

\*With KVM Adapter Cable KA7000 series, please see page 3 for details.

KH2508A



KH2516A



## » FEATURES

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- Two KVM consoles independently and simultaneously control up to 8 or 16 directly connected computers
- By daisy chaining up to 31 additional KH2508A / KH2516A switches, as many as 512 computers can be controlled from the original KVM console
- Console conversion – any type of KVM console can control any type of computer; mixed combinations (PS/2&USB) supported on both the KVM console and computer sides
- Superior Video Quality- Supports the video resolutions up to 1600x1200@60Hz for up to 40 meters, and 1280x1024@75 Hz for up to 50 meters\*
- Configure port access rights for users on a port - by - port basis
- Diversified port operation mode enables flexible computer management – Occupy, Exclusive and share modes
- Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and multi-language OSD (On Screen Display)
- Multiplatform support – PC, Mac, Sun, and serial
- Multiple User Accounts -Supports up to 10 user and 1 administrator accounts
- Two-Level Password Security- Supports one administrator and ten user profiles. Strong password protection prevents unauthorized accessing to the installation
- Auto Scan mode enables continuous monitoring of user-selected computers
- Broadcast Mode sends commands from the console to administrator-selected computers – allowing you to perform operations (such as software installation, upgrades, shutdowns, etc.), on them simultaneously
- Adapter ID
- Firmware Upgradeable

\* With KVM Adapter Cable KA7000 series, please see page 3 for details.

## » Benefits

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### **Easy Operation**

Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and multi-language OSD (On Screen Display). Multi-language keyboard support includes US English, UK English, French, German, Swiss German, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese.

### **Auto Scanning and Broadcast Mode**

Auto scanning provides hands-free monitoring of selected devices at variable rates. Broadcast Mode sends commands from the console to administrator-selected computers – allowing you to perform operations (such as software installation, upgrades, shutdowns, etc.), on them simultaneously.

### **Superior Video Quality**

Supports the video resolutions up to 1600x1200@60Hz for up to 40 meters, and 1280x1024@75Hz for up to 50 meters with the new ATEN KVM Cable Adapter KA7000 series.

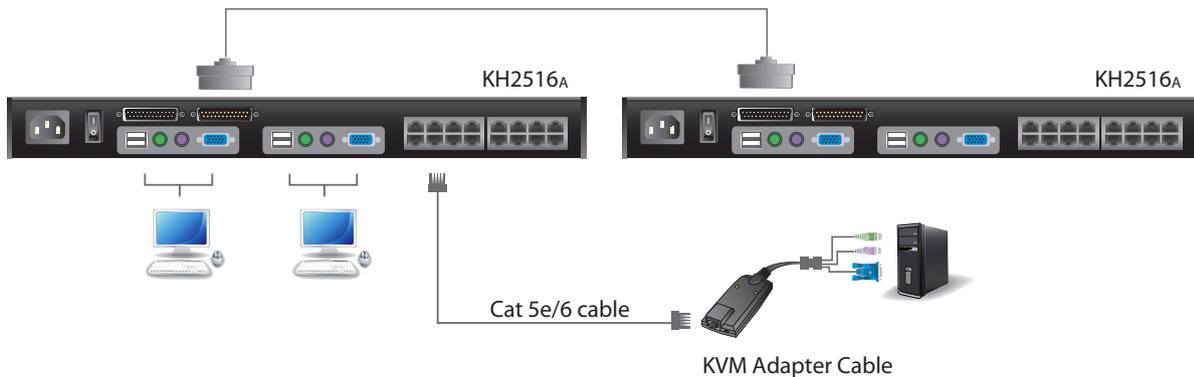
**Multiple User Accounts** Supports up to 10 user and 1 administrator accounts.

**Port Operation Modes** Diversified port operation modes (Occupy, Exclusive, and Share) enable flexible computer and access rights management between the two consoles.

**Adapter Cables with ID** The KH2508A / KH2516A KVM series supports automatic ID recognition of the new ATEN KVM Cable Adapter KA7000 series. Using the new adapter cables with ID means it is not required to change cable configuration settings when moving cables from port to port. Device ID and attributes are stored in the adapter cables allowing you to hot-swap port connections without having to reconfigure attributes.

*The following KVM Adapter Cables are required for use with the KH2508A / KH2516A:*

Type:	PS/2	USB	PS/2	USB	Sun Legacy	Serial
Interface:	 6-pin Mini-DIN Male  6-pin Mini-DIN Male  HDB-15 Male	 USB Type A Male  HDB-15 Male	 6-pin Mini-DIN Male  6-pin Mini-DIN Male  HDB-15 Male	 USB Type A Male  HDB-15 Male	 13W3 Male  DIN 8 pin Male	 RS-232 DB-9 Female



## » Specification

Function		KH2508A	KH2516A	
Computer Connections	Direct	8	16	
	Max	256 (via Daisy Chain)	512 (via Daisy Chain)	
Port Selection		OSD (On Screen Display); Hotkeys Pushbutton Switches		
Connectors	Console Ports	Keyboard	2 x 6-pin Mini-DIN Female (Purple); 2 x USB Type A Female	
		Video	2 x HDB-15 Female	
		Mouse	2 x 6-pin Mini-DIN Female (Green); 2 x USB Type A Female	
	KVM Ports		8 x RJ-45 Female	16 x RJ-45 Female
	Daisy Chain	In	1 x DB-25 Female	
		Out	1 x DB-25 Male	
	FW Upgrade		1 x RJ-11 Female	
	Power		1 x 3-prong AC socket	
Switches	Port Selection		8 x Pushbutton	16 x Pushbutton
	Console Selection		2 x Pushbutton	
	KVM Reset		1 x Recessed pushbutton	
	FW Upgrade		1 x Slide	
	Power		1 x Rocker	
LEDs	Port	Online	8 (Green)	16 (Green)
		Selected	8 (Orange)	16 (Orange)
	Console		2 (Orange)	2 (Orange)
	Power		1 (Blue)	
	Station ID		1 x 2 Digit 7-segment (Orange)	
Emulation	Keyboard		PS/2; USB	
	Mouse		PS/2; USB	
Scan Interval		1–255 seconds		
Video		1600 x 1200 @ 60 Hz (40m); 1280 x 1024 @ 75 Hz (50m)*;		
I/P Rating		100–240 VAC; 50/60 Hz; 1A		
Power Consumption		120V/7.2W; 230V/8.6W	120V/7.6W; 230V/9.0W	
Environment	Operating Temp.		0–50° C	
	Storage Temp.		-20–60° C	
	Humidity		0–80% RH; Non-condensing	
Physical Properties	Housing		Metal	
	Weight		2.81 kg	2.85 kg
	Dimensions (L x W x H)		43.72 x 16.36 x 4.40 cm	

\* With KVM Adapter Cable KA7000 series, please see page 3 for details.

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