

2-Console 8/16-Port Multi-Interface Cat 5 KVM Switch KH2508A / KH2516A

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 (two 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 15 additional switches, as many as 128 / 256 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'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 m¹ at a resolution of 1280 x 1024².

In addition, the switches are compatible with ATEN KVM adapter. This allows flexible interface combinations (PS/2, USB with VGA, DVI, HDMI and DisplayPort video interface, Sun and serial) to control all computer types.

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.

Note:

1. With KVM Adapter KA7000 series, please see page 3 for details.
2. The video quality of KH2508A / KH2516A has been enhanced to Full HD. To distinguish between the non-FHD and FHD versions, please refer to the product webpage.

KA2508A Front View



KA2508A Rear View



KA2516A Front View



KA2516A Rear View



Features

- Two KVM consoles independently and simultaneously control up to 8 or 16 directly connected computers
- By daisy chaining up to 15 additional KH2508A / KH2516A switches, as many as 128 / 256 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 1920 x 1200 @60Hz for up to 30 meters, 1600 x 1200 @60Hz for up to 40 meters, and 1280 x 1024 @75Hz for up to 50 meters*
- OSD Backup/Restore function – enables the administrator to back up the switch’s configuration and user profile information
- 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 – Windows, Linux, Mac and Sun
- Compatible with ATEN KVM adapters — allows flexible interface combinations (PS/2, USB with VGA, DVI, HDMI and DisplayPort video interface, Sun and serial) to control all computer types
- Multiple User Accounts -Supports up to 10 user and 1 administrator accounts
- Two-Level Password Security- Supports one administrator and ten user profiles. 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

Note: With KVM Adapter KA7000 series, please see page 3 for details.

Highlights

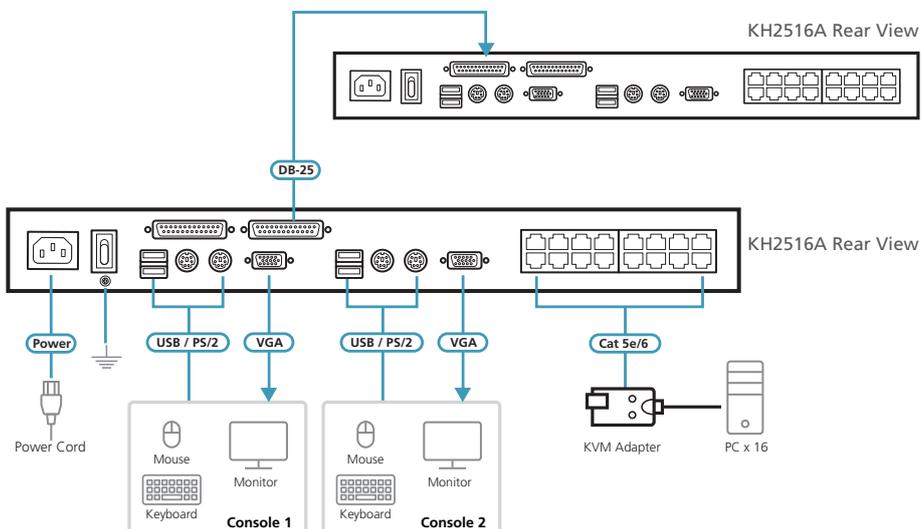
<p>Easy Operation</p>	<p>Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and multi-language OSD (On Screen Display). Multi-language keyboard support includes US English, UK English, French, German, Swiss German, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese.</p>
<p>Auto Scanning and Broadcast Mode</p>	<p>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.</p>
<p>Superior Video Quality</p>	<p>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 Adapter KA7000 series.</p>

Highlights

<p>Multiple User Accounts</p>	<p>Supports up to 10 user and 1 administrator accounts.</p>
<p>Port Operation Modes</p>	<p>Diversified port operation modes (Occupy, Exclusive, and Share) enable flexible computer and access rights management between the two consoles.</p>
<p>Adapters with ID</p>	<p>The KH2508A / KH2516A KVM series supports automatic ID recognition of the new ATEN KVM Adapter KA7000 series. Using the new adapters 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 adapters allowing you to hot-swap port connections without having to reconfigure attributes.</p>

The following KVM Adapters are required for use with the KH2508A / KH2516A :

									
Type:	PS/2	USB	PS/2	USB	Sun Legacy	Serial	USB	USB	USB
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	 USB Type A Male  USB Type A Male  DVI-D Male (Single Link)	 USB Type A Male  USB Type A Male  HDMI Male	 USB Type A Male  USB Type A Male  DisplayPort Male



Specifications

	KH2508A	KH2516A
Computer Connections		
Direct	8	16
Maximum	128 (via Daisy-chain)	256 (via Daisy-chain)
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
Console Ports	4 x USB Type A Female 2 x 6-pin Mini-DIN Female (Purple) 2 x 6-pin Mini-DIN Female (Green) 2 x HDB-15 Female (Blue)	
KVM Ports	8 x RJ-45 Female	16 x RJ-45 Female
Daisy Chain Ports	1 x DB-25 Female (Black) 1 x DB-25 Male (Black)	
Firmware Upgrade	1 x RJ-11 Female	
Power	1 x IEC 60320/C14	
Switches		
Port Selection	8 x Pushbutton	16 x Pushbutton
Console Selection	2 x Pushbutton	
Reset	1 x Semi-recessed Pushbutton	
Firmware Upgrade	1 x Slide	
Power	1 x Rocker	
LEDs		
Online	8 (Green)	16 (Green)
Selected	8 (Orange)	16 (Orange)
Console	2 (Orange)	
Power	1 (Blue)	
Station ID	1 x 7-segment LED display (Orange)	
Emulation		
Keyboard / Mouse	PS/2; USB	
Scan Interval	1-255 Seconds	
Video	1920 x 1200 @ 60 Hz (30 m); 1600 x 1200 @ 60 Hz (40 m); 1280 x 1024 @ 75 Hz (50 m)	
Maximum Input Power Rating	100-240 VAC; 50/60 Hz; 1A	
Power Consumption	AC110V:8.5W	AC110V:9.7W
	AC220V:9.3W	AC220V:10.7W
Environmental		
Operating Temperature	0 – 50 °C	
Storage Temperature	-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 15.58 x 4.40 cm	

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