

# **KH2508A**

2-Console 8-Port Multi-Interface (DisplayPort, HDMI, DVI, VGA) Cat 5 KVM Switch



The KH2508A KVM switch is a control unit that allows 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 computers. By daisy chaining up to 15 additional switches, as many as 128 computers can be controlled from the original KVM consoles

This switch has 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. Another advantage found in these switches is Full HD video quality – extending the distance to the servers to up to 30 m at a resolution of 1920 x 1200 \*.

In addition, the switches are compatible with ATEN KVM adapter cable. 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 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 KVM switch.

#### Note:

\*The video quality of KH2508A has been enhanced to Full HD. To distinguish between the non-FHD and FHD versions, please refer to below link: EHD & Non-FHD Comparison Photo \*The KH2508A does not support virtual media even when paired with a virtual media-enabled KVM adapter.

### Features

- Two KVM consoles independently and simultaneously control up to 8 directly connected computers
- By daisy chaining up to 15 additional KH2508A switches, as many as 128 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
- Hz for up to 40 meters, and 1280 x 1024 @75Hz for up to 50 meters\* 60Hz for up to 30 meters, 1600 x 1200 @
- OSD Backup/Restore feature 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 adapter cables 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 all 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

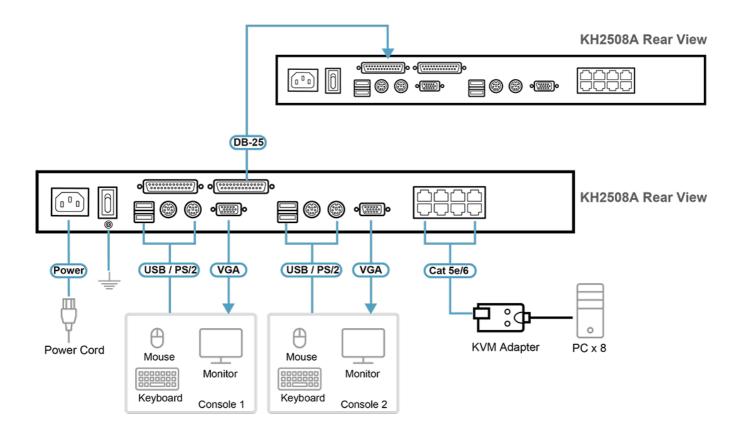
## Specifications

Computer Connections	
Direct	8
Maximum	128 (via Daisy-chain)
Port Selection	OSD, Hotkey, Pushbutton
Connectors	



Consis Ports         4 : UB Type A remain (Pare)           Private Consisting Constraints (Pare)         2: VIDP 1 Formate (Pare)           Finance Uppare         8 : RA-A Formate (Pare)           Dissi Culti Pura         8 : RA-A Formate (Pare)           Finance Uppare         1 : RO-S Formate (Rack)           Finance Uppare)         1 : RO-S Formate (Rack)	[]		
bisy Oran Parts         1 × DB 25 Pensia (Biak)           Finance Ugrade         1 × DB 25 Pensia (Biak)           Finance Ugrade         1 × DB 25 Decisi (Biak)           Prover         1 × DB 25 Decisi (Biak)           Finance Ugrade         1 × DB 25 Decisi (Biak)           Statue         2           Prover         1 × DB 25 Decisi (Biak)           Statue         2           Prover         1 × DB 25 Decisi (Biak)           Statue         2           Prover         1 × DB 25 Decisi (Biak)           Prover Decision         1 × DB 25 Decisi (Biak)           Prover         1 × DB 25 Decisi (Biak)           Prover         1 × DB 25 Decisi (Biak)           Prover         1 × DB 26 Decisi (Biak)           Prover         2 (Comps)           Prover         2 (Comps)           Prover         1 × DB 26 Decisi (Biak)           Statue         1 × DB 26 Deccccccccccccccccccccccc	Console Ports	2 x 6-pin Mini-DIN Female (Purple) 2 x 6-pin Mini-DIN Female (Green)	
I. D825 Mail         1. 12 B23 Mail           Finneare Ugrade         1. RE. 11 Fanale           Parver         0. 18 E. 0.00300 (14           Stackson         2. Realbaulua           Pars Seatsian         8. Realbaulua           Casale Seatsian         8. Realbaulua           Test Seatsian         1. Stars- reassed Publishtern           Finance Ugrade         1. Stars- reassed Publishtern           Finande Ugrad Publishtern         1. Stars- reassed Publi	KVM Ports	8 x RJ-45 Female	
Pere         1 x IEC 00320014           Selection         8 x Purbuicon           Por Selection         8 x Purbuicon           Conole Selection         2 x Purbuicon           Prese         1 x Seni-secses Purbluiction           Firmware Upgrade         1 x Seni-secses Purbluiction           Preser         1 x Seni-secses Purbluiction           Preser         1 x Boles           Preser         1 x Rober           Console         4 (Orange)           Console         4 (Orange)           Console         1 x Seni-secses Purbluiction           Preser         6 (Orange)           Selection         4 (Orange)           Console         1 x Seni-secses Purble (Orange)           Environment         1 x Seconds           Selection         1 x Seconds	Daisy Chain Ports		
Notes           Port Selection         8 x Purbuiltion           Concole Selection         2 x Purbuiltion           Resel         1 x Semi recossed Purbuiltion           Firmware Upgrade         1 x Selection           Prover         1 x Selection           Concole Selection         1 x Selection           Prover         1 x Selection           Concole Selection         1 x Selection           Concole Selection         1 x Selection           Concole Selection         8 (Green)           Selection         8 (Green)           Concole Selection         8 (Green)           Selection         8 (Green)           Concole         9 (Green)           Selection         8 (Green)           Concole         9 (Green)           Station Torrent         1 (Bluen)           Station Torrent         1 (Bluen)           Station Torrent         1 - 255 Seconds           Video         1 - 255 Seconds           Video         1 - 255 Seconds           Video         1 - 255 Seconds           Nation Input Power Rating         0 - 240 (AS, 5900 Hz; 1 A           Power Consumption         A - 250 Seconds           Nation Seconderseling         - 260 rel <td>Firmware Upgrade</td> <td>1 x RJ-11 Female</td>	Firmware Upgrade	1 x RJ-11 Female	
Port Selection         8 x Pushbutton           Concole Soluction         2 x Pushbutton           Read         1 x Seni-recessed Pushbutton           Firmware Upgrado         1 x Slide           Power         1 x Dockar           Concole Soluction         8 (Green)           Obline         8 (Green)           Selected         8 (Green)           Concole         8 (Green)           Selected         8 (Green)           Concole         8 (Green)           Concole         8 (Green)           Selected         8 (Green)           Concole         8 (Green)           Selected         1 (Blue)           Staton ID         1 x 7-segment LED display (Orange)           Environment         1 - 255 Seconds           Video         1 + 260 min;	Power	1 x IEC 60320/C14	
Console Selection         2 × Pushbutton           Resel         1 × Stork-recessed Pushbutton           Firmware Upgrade         1 × Stock           Power         1 × Bocker           Console Selection         1 × Bocker           Differ         8 (Green)           Selection         1 × Segment LED display (Orange)           Enviruation         1 × Segment LED display (Orange)           Februard / Mousa         PS2: USB           Selection         1 × Segment LED display (Orange)           Video         1 × Segment LED display (Orange)           Selection         1 × Segment LED display (Orange) <t< td=""><td colspan="3">Switches</td></t<>	Switches		
Reat         1 x Semi-accessed Pushbuton           Firmwaro Uggrado         1 x Sido           Power         1 x Roker           Deline         1 x Roker           Deline         8 (Green)           Seledd         8 (Orange)           Console         8 (Orange)           Console         1 (Buay           Selend N         1 x A argement EED display (Orange)           Emulation         1 x A argement EED display (Orange)           Finalescone         9 20 USB           Selend NO         1 2600 Seconds           Yodeo         1 2000 Seconds           Video         1 2000 Seconds           Yodeo         1 2000 Seconds           Yodeo X (Yodeo X (Yodeo Y (Yodeo Y)); 1 200 X (Yodeo Y (Yodeo Y); 1 200 X (Yodeo Y	Port Selection	8 x Pushbutton	
Firmware Upgnade         1 x Side           Power         1 x Rocker           LEDs         6 (Groun)           Orlino         8 (Groun)           Selected         8 (Groun)           Selected         8 (Groun)           Console         8 (Groun)           Demote         8 (Groun)           Console         8 (Groun)           Selected         8 (Groun)           Demote         1 (Bule)           Station ID         1 x Segment LED display (Orange)           Environmental         FS2: USB           Scan Interval         9 S2: USB           Scan Interval         1 280 x 1200; 66 0Hz (30 m); 1200	Console Selection	2 x Pushbutton	
Power         1 k Roker           LEDs         I k Roker           Online         8 (Green)           Selected         9 (Orange)           Console         2 (Orange)           Power         1 (Blue)           Station ID         1 x 7 acgment LED display (Orange)           Emulation         1 x 7 acgment LED display (Orange)           Emulation         1 x 7 acgment LED display (Orange)           Scan Interval         1 255 Seconds           Yelse         1 920 x 1200 @ 60 Hz (30 m); 1800 x 1200 & 60 Hz (30 mz); 1800 x 1200 & 60 Hz (30 mz); 1800 x 1200 & 60 Hz (30 m	Reset	1 x Semi-recessed Pushbutton	
LEBs           Doline         8 (Green)           Selected         8 (Green)           Console         2 (Orange)           Console         2 (Orange)           Power         1 (Buo)           Station ID         1 x 7 segment LED display (Orange)           Emulation         Pose: USB           Station ID         1 255 Seconds           Station ID         1 255 Seconds           Station ID         1 255 Seconds           Video         1980 x 1200 @60 Hz (30 m); 1500 x 1200 @60 Hz (30 m); 1200 x 1200	Firmware Upgrade	1 x Slide	
Online         8 (Green)           Selected         8 (Orange)           Console         2 (Orange)           Power         1 (Blue)           Station ID         1 x 7-segment LED display (Orange)           Emulation         Foregree           Kayboard / Mouse         PS2: USB           Scan Interval         1-255 Seconds           Video         1285 V100 @ 60 Hz (40 m); 1280 x 1020 @ 60 Hz (40 m); 1280 x 1020 @ 60 Hz (40 m); 1280 x 1024 @ 75 Hz (50 m)           Maximum Input Power Rating         0-cet VAC; 50:60 Hz; 1A           Power Consumption         Act10VA3.SW73FTU/h Ac220VS.SW SIBTUIN Note: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in Watts indicates the typical power consumption of the device with n e sternal loading: The measurement in BTUh indicates the typical power consumption of the device withen t is fully loaded.	Power	1 x Rocker	
Selected         8 (Orange)           Console         2 (Orange)           Console         2 (Orange)           Power         1 (Blue)           Station ID         1 x 7-segment LED display (Orange)           Emulation	LEDs		
Console         2 (Orange)           Power         1 (Bue)           Station ID         1 x z-segment LED display (Orange)           Emulation	Online	8 (Green)	
Power         1 (Blue)           Station ID         1 x 7-segment LED display (Orange)           Emulation         Interval           Keyboard / Mouse         PS/2; USB           Scan Interval         1-255 Seconds           Video         1920 x 1200 @ 60 Hz (30 m); 1200 x 1200 @ 50 Hz (40 m); 1200 x 1200 @ 50 Hz (50 m)           Maximum Input Power Rating         0-240 VAC; 50 (60 Hz; 1A           Power Consumption         AC110V.8 SW:578 TU/h AC220V3.3W:61 BTU/h AC220V3.3W:61 BTU/h AC220V3.	Selected	8 (Orange)	
Station ID       1 x 7-segment LED display (Orange)         Emulation         Keyboard / Mouse       PS/2; USB         Scan Interval       1-255 Seconds         Video       1/250 x 1200 @ 60 Hz (30 m); 1600 x 1200 @ 60 Hz (40 m); 1280 x 1224 @ 75 Hz (50 m)         Maximum Input Power Rating       100-240 VAC; 50/60 Hz; 1A         Power Consumption       AC110V 8.5W 57BTU/n AC220V-93W 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/n AC220V 57BTU/	Console	2 (Orange)	
Emulation           Keyboard / Mouse         PS/2; USB           Scan Interval         1-255 Seconds           Video         1:200 @ 60 Hz (30 m); 1800 x 1200 @ 60 Hz (40 m); 1800 x 1200 @ 60 Hz (40 m); 1800 x 1024 @ 75 Hz (50 m)           Maximum Input Power Rating         100-240 VAC; 5060 Hz; 1A           Power Consumption         AC110V4 5.5V:578TU/h Ac220V-9.3W:61BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the power consumption of the device with no external loading.           Environmental         Operating Temperature         0-50°C           Storage Temperature         -20-60°C           Humidity         0-80% RH, Non-condensing           Physical Properties         Metal           Housing         Metal           Weight         2.81 kg (6.19 lb)           Dimensions (L x W x H)         43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Power	1 (Blue)	
Keyboard / Mouse         PS/2; USB           Scan Interval         1-255 Seconds           Video         1920 × 1200 @ 60 Hz (30 m); 1600 × 1200 @ 60 Hz (40 m); 1280 × 1024 @ 75 Hz (50 m)           Maximum Input Power Rating         100-240 VAC; 50/60 Hz; 1A           Power Consumption         AC110V.8.5VF3FU/h AC200V.9.3Wr.61BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading.           Environmental         0-50°C           Storage Temperature         0-50°C           Hunidity         0-80% RH, Non-condensing           Physical Properties         Metal           Housing         Metal           Weight         2.81 kg (6.19 lb )           Dimensions (L x W x H)         43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Station ID	1 x 7-segment LED display (Orange)	
Scan Interval       1-255 Seconds         Video       1920 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:57BTU/h AC220V:9.3W:61BTU/h AC220V:9.3W:6	Emulation		
Video         1920 x 1200 @ 60 Hz (30 m); 1600 x 1200 @ 50 Hz (40 m); 1280 x 1024 @ 75 Hz (50 m)           Maximum Input Power Rating         100-240 VAC; 50/60 Hz; 1A           Power Consumption         ACI10V:8.5W/57BTU/h AC220V:9.3W/61BTU/h AC220V:9.3W/61BTU/h AC220V:9.3W/61BTU/h AC220V:9.3W/61BTU/h AC220V:9.3W/61BTU/h AC220V:9.3W/61BTU/h           Note: - The measurement in Watts indicates the typical power consumption of the device with no external loading. - The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.           Environmental	Keyboard / Mouse	PS/2; USB	
1600 x 1200 @ 60 Hz (40 m); 1280 x 1024 @ 75 Hz (50 m)Maximum Input Power Rating100-240 VAC; 50/60 Hz; 1APower ConsumptionAC110V:8.5W:57BTU/h AC220V:9.3W:61BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.Environmental0.50°COperating Temperature0.50°CStorage Temperature-20-60°CHumidity0.80% RH, Non-condensingPhysical PropertiesHousingMetalWeight2.81 kg (6.19 lb)Dimensions (L x W x H)43.72 x 15.58 x 4.40 cm (1.21 x 6.13 x 1.73 in.)	Scan Interval	1-255 Seconds	
Power Consumption       AC110V:8.5W:57BTU/h AC220V:9.3W:61BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.         Environmental       0-50°C         Storage Temperature       0-50°C         Storage Temperature       -20-60°C         Humidity       0-80% RH, Non-condensing         Physical Properties       Metal         Housing       Metal         Weight       2.81 kg ( 6.19 lb )         Dimensions (L x W x H)       43.72 x 15.58 x 4.40 cm (1.721 x 6.13 x 1.73 in.)	Video	1600 x 1200 @ 60 Hz (40 m);	
AC220V:9.3W:61BTU/h         Note:         • The measurement in Watts indicates the typical power consumption of the device with no external loading.         • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.         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 ( 6.19 lb )         Dimensions (L x W x H)       43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Maximum Input Power Rating	100–240 VAC; 50/60 Hz; 1A	
• The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.         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 (6.19 lb )         Dimensions (L x W x H)       43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Power Consumption	AC220V:9.3W:61BTU/h Note:	
Operating Temperature     0-50°C       Storage Temperature     -20-60°C       Humidity     0-80% RH, Non-condensing       Physical Properties       Housing     Metal       Weight     2.81 kg ( 6.19 lb )       Dimensions (L x W x H)     43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)		<ul> <li>The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul>	
Storage Temperature     -20-60°C       Humidity     0-80% RH, Non-condensing       Physical Properties       Housing     Metal       Weight     2.81 kg ( 6.19 lb )       Dimensions (L x W x H)     43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Environmental		
Humidity     0-80% RH, Non-condensing       Physical Properties       Housing     Metal       Weight     2.81 kg ( 6.19 lb )       Dimensions (L x W x H)     43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Operating Temperature	0-50°C	
Physical Properties       Housing     Metal       Weight     2.81 kg ( 6.19 lb )       Dimensions (L x W x H)     43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Storage Temperature	-20-60°C	
Housing         Metal           Weight         2.81 kg ( 6.19 lb )           Dimensions (L x W x H)         43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Humidity	0-80% RH, Non-condensing	
Weight         2.81 kg ( 6.19 lb )           Dimensions (L x W x H)         43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Physical Properties		
Dimensions (L x W x H)         43.72 x 15.58 x 4.40 cm (17.21 x 6.13 x 1.73 in.)	Housing	Metal	
(17.21 x 6.13 x 1.73 in.)	Weight	2.81 kg ( 6.19 lb )	
Note For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	Dimensions (L x W x H)		
	Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	





## ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan Phone: 886-2-8692-6789 Fax: 886-2-8692-6767 www.aten.com E-mail: marketing@aten.com



 Copyright 2015 ATEN® International Co., Ltd. ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd. All rights reserved. All other trademarks are the property of their respective owners.