

#### KH1508A/KH1516A Cat 5 High-Density KVM Switch **Quick Start Guide**

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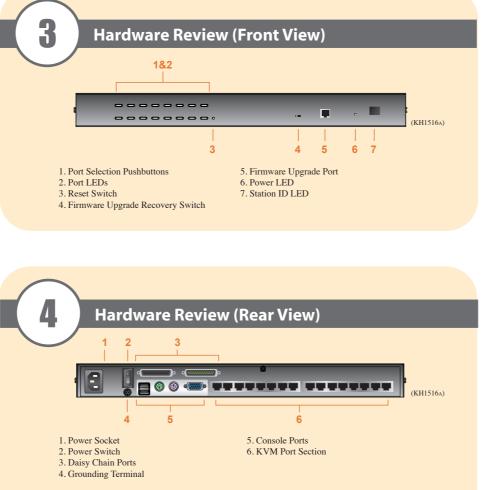


1 KH1508A or KH1516A Cat 5 High-Density KVM Switch 1 Firmware Upgrade Cable 1 Power Cord

1 Mounting Kit 1 Foot Pad Set (4 pcs.) 1 User Instructions

#### Important Notice

Considering environmental protection, ATEN does not provide a fully printed user manual for this product. If the information contained in the Quick Start Guide is not enough for you to configure and operate your product, please visit our website www.aten.com, and download the full user manual.



Note: The front and rear panel views are similar for the KH1508A, the difference being that the KH1508A has only one row of LED lights (front) and one row of CPU ports (rear)

**Hardware Installation** 

**Rack Mounting** 



# Requirements

#### Console

- A VGA, SVGA, or multisync monitor capable of the highest resolution that you will be using on any computer in the installation
- A PS/2 or USB mouse
- A PS/2 or USB keyboard

## Computers

The following equipment must be installed on the computers that connect to the KH1508A or KH1516A KVM ports

- A VGA, SVGA or multisync port
- A Type A USB port and USB host controller (for USB KVM adapter cable connection, see following section) - or -
- 6-pin Mini-DIN keyboard and mouse ports (for PS/2 KVM adapter cable connection, see following section)

# **KVM Adapter Cables**

- Cat 5e/6 cable is required to connect the KH1508A / KH1516A to one of the KVM adapter cables.
- The following KVM adapter cables are required for use with the KH1508A / KH1516A:

Function	Module
Connect to devices with PS/2 ports	KA7920 / KA7520 / KA7120 / KA9520 / KA9120
Connect to devices with USB ports	KA7970 / KA7570 / KA7170 / KA9570 / KA9170
	KA7166 /KA7168 / KA7169
Connect to Sun Legacy systems (with 13W3 port)	KA9130 / KA7130
Connect to Sun USB systems	KA9170 / KA7170
Connect to serial based devices	KA9140



The KH1508A / KH1516A can be mounted in a 19" (1U) rack. The mounting brackets can screw into either the front

2. Screw the mounting brackets into the sides of the unit at the front or the rear, as shown in the diagram below.



3. Slide the unit into the front or rear of the rack and secure it to the rack.

# Hardware Installation **Single Station Installation** 1. Ground the KH1508A / KH1516A by connecting one end of the grounding wire to the grounding terminal, and the other end of the wire to a suitable grounded object. electricity. marked with icons for easy identification. keyboard with a USB mouse.

computer you are installing. KVM adapter cable is 50 meters. appropriate ports of the computer you are installing. AC power source.

servers.







Note: Do not omit this step. Proper grounding helps to prevent damage to the unit from surges or static

2. Plug the console keyboard, monitor, and mouse into the unit's console ports. The ports are color coded and

Note: You can use any combination of keyboard and mouse connections. For example, you can use a PS/2

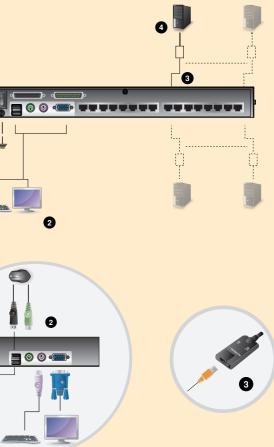
3. Use Cat 5e/6 cable to connect any available KVM port to a KVM adapter cable that is appropriate for the

Note: To support a resolution of 1280x1024, the recommended maximum distance between the unit and the

4. Connect the KVM adapter cable to the computer. Plug the connectors on the KVM adapter cable into the

5. Plug the female end of the power cord into the KH1508A / KH1516A's power socket; plug the male end into an

After the KH1508A / KH1516A is cabled up, you can turn on the power. After it is powered up, you can turn on the





# Operation

#### Port Selection

KH1508A / KH1516A installations provide three methods to obtain instant access to any computer on your installation: Manual, OSD (on-screen display), and Hotkey.

# Manual

Manual port selection simply involves pressing the port selection switch that corresponds to the device you wish to access.

#### OSD

The On Screen Display (OSD) is a menu driven method to handle computer control and switching operations. All procedures start from the OSD Main Screen. To display the Main Screen, tap the OSD hotkey twice. The default hotkey is [Scroll Lock]. You can change the hotkey to the Ctrl key or the Alt key if you like.

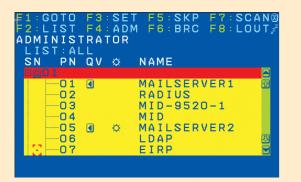
#### The OSD incorporates a two level (administrator / user) password system. Before the OSD Main Screen comes up, a login dialog box appears that asks

for a username and password. You must provide a valid username and password in order to continue.

### If this is the first time that the OSD is being run, or if the password function has

not been set, simply press [Enter]. The OSD main screen displays in administrator mode. In this mode, you have administrator privileges, with access to all administrator and user functions, and can set up operations (including password authorization) as you like

#### When you invoke the OSD, a screen similar to the one below appears:



To bring the KVM focus to a port, double-click it, or move the highlight bar to it and then press [Enter].

### Hotkey

Hotkeys allow you to conveniently provide KVM focus to a particular computer from the keyboard instead of having to manually select them by pressing port selection switches, or accessing the OSD.

### Invoking Hotkey Mode

Number Lock and Minus Keys (Default) 1. Hold down the **Num Lock** key;

- Press and release the minus key;
  Release the Num Lock key:
- [Num Lock] + [-]

Control and F12 Keys (Alternate) 1. Hold down the **Ctrl** key; 2. Press and release the **F12** key; 3. Release the **Ctrl** key: [Ctrl] + [F12]

	[A] [Enter]	Invokes Auto Scan mode. When Auto Scan mode is in effect, [P] or left-click pauses auto-scanning. When auto-scanning is paused, pressing any key or another left-click resumes auto-scanning.
	[B]	Toggles the Beeper On or Off.
	[Esc] or [Spacebar]	Exits hotkey mode.
	[F1]	Sets Operating System to Windows
	[F2]	Sets Operating System to Mac
Num Lock] + [-] or [trl] + [F12]	[F3]	Sets Operating System to Sun
	[F5]	Performs a keyboard / mouse reset on the target computer.
	[H]	Toggles the Hotkey invocation keys.
	[Port ID] [Enter]	Switches access to the computer that corresponds to that Port ID.

Administrator only hotkey. It returns the switch's

Toggles the OSD Hotkey between [Ctrl] [Ctrl] and

Invokes Skip Mode and skips from the current port to the first accessible port previous to it.

Invokes Skip Mode and skips from the current port to

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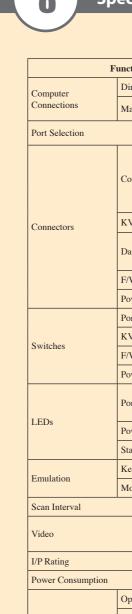
the last accessible port of the previous Station.

the first accessible port of the next Station.

settings to their default values.

[Scroll Lock] [Scroll Lock].

the next accessible port.



Environment	ľ
Physical Properties	

# Hotkey Summary Table

[R] [Enter]

[T]

[←]

[→]

[1]

[↓]

# Specification

Function			KH1508A	KH1516A	
	Direct		8	16	
	Max.		256	512	
	Mux.		(via Daisy Chain)	(via Daisy Chain)	
			OSD (On Screen Display); Hotkeys; Pushbuttons		
	Console	Keyboard	1 x 6-pin Mini-DIN Female (Purple) 1 x USB Type A Female (White)		
		Video	1 x HDB-15 Female (Blue)		
		Mouse	1 x 6-pin Mini-DIN Female(Green) 1 x USB Type A Female (White)		
	KVM Ports		8 x RJ-45 Female	16 x RJ-45 Female	
	Daire Chair	In	1 x DB-25 Female (Black)		
	Daisy Chain Out		1 x DB-25 Male (Black)		
	F/W Upgrade		1 x RJ-11 Female (Black)		
Power			1 x 3-Prong AC socket		
	Port Selection	n	8 x Pushbutton	16 x Pushbutton	
	KVM Reset		1 x Recessed pushbutton		
	F/W Upgrade	2	1 x Slide		
	Power		1 x Rocker		
	Port	On Line	8 (Green)	16 (Green)	
		Selected	8 (Orange)	16 (Orange)	
	Power		1 (Blue)		
	Station ID		1 x 2 Digit 7-segment (Orange)		
	Keyboard		PS/2; USB		
	Mouse		PS/2; USB		
			1–255 sec.		
			1600 x 1200 @ 60Hz (40 m with KA7xx Adapter Cable) 1280 x 1024 @ 75Hz (50 m with KA7xx Adapter Cable)		
			100-240 VAC; 50/60 Hz; 1A		
			120V/5.8W; 230V/6W	120V/5.9W; 230V/6.1W	
	Operating Ter	mp.	0–40o C		
Storage Temp.		).	-20–60o C		
	Humidity		0-80% RH, Non-condensing		
	Housing		Metal		
	Weight		2.74 kg	2.77 kg	
	Dimensions(L x W x H)		43.30 x 16.00 x 4.40 cm		