

Cat 5 High-Density KVM over IP Switches

KH1508Ai / KH1516Ai

- The KH1508Ai / KH1516Ai Cat 5 High-Density KVM over IP Switches offer 8 and 16 computer port configurations in a 1U-high housing for convenient rack mounting. They allow local and remote operators to monitor and access the entire enterprise data center over the Internet using a web-based browser.

The KH1508Ai / KH1516Ai features RJ-45 connectors and Cat 5e/6 cable to link to the computers and supports multiplatform. This ensures that high quality signals can travel over long distance – up to 50m without the need for KVM extenders. Utilizing KVM Adapter Cables for the final linkup, the KH1508Ai / KH1516Ai permits any combination of PCs, Macs, Sun computers, and serial devices to coexist on the installation.

In addition to TCP/IP connectivity, the KH1508Ai / KH1516Ai provides console ports for a locally attached USB or PS/2 console and a Laptop USB console (LUC) – allowing access and control from the data center as well as over the Net.

These switches have been designed with unique and powerful features for that enable administrators to manage their entire server room and data center devices easily and conveniently from just about anywhere in the world.

A special Message Board feature – which like an internet chat program – lets any number of remotely logged in users exchange information and communicate with each other or to cooperatively manage the installation. A Panel Array Mode™ – allows monitoring of up to 8/16 servers at once. Other features that contribute to the switches' powerful capabilities include: Mouse DynaSync™, and Adapter ID.

With ATEN KVM over IP Switches, IT administrators can manage their server rooms and data centers from practically anywhere – minimizing travel costs and MTTR (Mean Time to Repair) – and ensuring the highest availability of data center services possible.

KH1516Ai Front View



KH1516Ai Rear View



Features

Hardware

- High port density – RJ-45 connectors for up to 8/16 ports in a 1U housing
- A dedicated USB port directly connects to a laptop for easy Console operation
- One bus for remote KVM over IP access
- Supports PS/2, USB, Sun Legacy (13W3) and serial (RS-232) connectivity
- Local console provides PS/2 and USB keyboard and mouse support
- Multiplatform support – Windows, Mac, Sun and Linux
- Superior Video Quality – supports input video resolutions up to 1920 x 1200 @ 60 Hz* up to 30 meters, 1600 x 1200 @ 60 Hz up to 40 meters, and 1280 x 1024 @ 75 Hz up to 50 meters
- Daisy-chain up to 15 additional units – control up to 128 or 256 computers from a single console

* With KVM Adapter Cable KA71xx or KA75xx series

Management

- Up to 64 user accounts
- Up to 32 concurrent logins
- End session feature – administrators can terminate running sessions
- Event logging and Windows-based Log Server support
- Local Log Event
- Adapter ID – stores port information allowing administrators to relocate the servers to different ports, without having to reconfigure the adapters and switch
- Port Share Mode allows multiple users to gain access to a server simultaneously
- Integration with ATEN CC2000 Management software
- Power Over the NET™ integration for remote power control
- Firmware upgradeable
- IPv6 capable

Ease-to-Use Interface

- Local Console, Browser, and AP GUIs offer a unified Multilanguage interface to minimize user training time and increase productivity
- Multiplatform client support (Windows, Mac OS X, Linux, Sun)
- Multibrowser support (IE, Mozilla, Firefox, Safari, Opera, Netscape)
- Browser-based UI in pure Web technology allows administrators to perform administrative tasks without the need for Java to be pre-installed
- Panel Array Mode™
- Keyboard broadcast – keyboard input can be duplicated on all the attached servers

Advanced Security

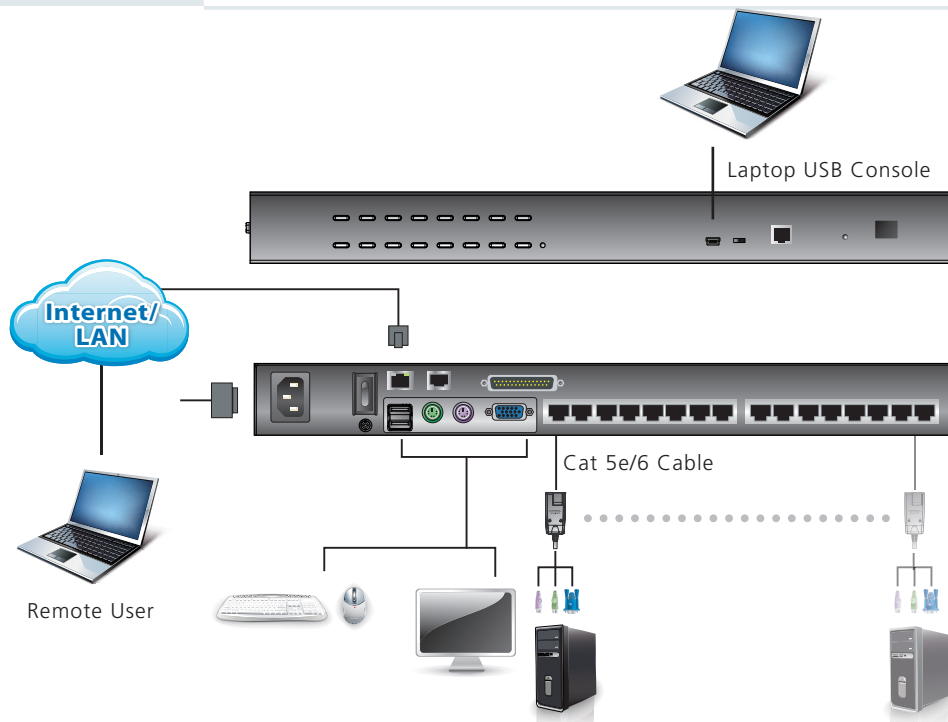
- Remote authentication support: RADIUS, LDAP, LDAPS, and MS Active Directory
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates to secure users log in from browser
- Flexible encryption design allows users to choose any combination of DES, 3DES, AES, RC4, or Random for independent KB/Mouse and video data encryption
- IP/MAC Filter IP/MAC Filter for enhanced security protection
- Configurable user and group permissions for server access and control

Virtual Remote Desktop

- Video quality and video tolerance can be adjusted to optimize data transfer speed; monochrome color depth setting, threshold and noise settings for compression of the data bandwidth in low bandwidth situations
- Full screen or scalable video display
- Message Board for communication among remote users
- Mouse DynaSync™ – automatically synchronizes the local and remote mouse movements
- On-screen keyboard with multilanguage support
- Exit Macros support
- BIOS-level access

Highlights

Laptop USB Console (LUC)	A dedicated USB port directly connects to your Laptop for easy console operation.
Easy-to-use user interface	A user-friendly, intuitive, GUI provides convenient, access, configuration and operation. Local Console , browser-based and AP GUIs offer a unified multilanguage interface to minimize user training time and increase productivity.
Superior Video Quality	Supports input video resolutions up to 1920 x 1200 @ 60 Hz* up to 30 meters, 1600 x 1200 @ 60 Hz up to 40 meters, and 1280 x 1024 @ 75 Hz up to 50 meters * With KVM Adapter Cable KA71xx or KA75xx series
Panel Array Mode™	Panel array mode permits simultaneous monitoring of the video output of the installations' servers. Operators can monitor the screen display of up to 8/16 servers.
Adapter Cables with ID	The KH1508Ai / KH1516Ai KVM series supports automatic ID recognition of the new ATEN KVM Adapter Cable 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.
Mouse DynaSync™	Automatically synchronizes the local and remote mouse movements for perfect alignment of mouse pointers, regardless of server mouse acceleration settings.



Optional

The following KVM Adapter Cables are required for use with the KH1508Ai / KH1516Ai

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

Function	KH1508Ai	KH1516Ai
Computer Connections	KH1508Ai	KH1516Ai
Direct	8	16
Maximum	128 (via Daisy-chain)	256 (via Daisy-chain)
Port Selection	OSD; Hotkey; Pushbutton	
Connectors	2 x USB Type-A Female (White); 1 x 6-pin Mini-DIN Female (Purple); 1 x 6-pin Mini-DIN Female (Green); 1 x HDB-15 Female (Blue)	
Console Ports	8 x RJ-45 Female	16 x RJ-45 Female
KVM Ports		1 x DB-25 Male
Daisy Chain Ports		1 x IEC 60320/C14
Power		1 x RJ-45 Female
LAN Ports		1 x RJ-11 Female
Firmware Upgrade		1 x RJ-45 Female
PON		1 x USB Mini-B Female
Laptop USB Console (LUC) Port		
Switches	1 x Semi-recessed Pushbutton	
Reset	1 x Rocker	
Power	8 x Pushbutton	16 x Pushbutton
Port Selection		
LEDs	1 (Blue)	
Online	8 (Green)	16 (Green)
Selected	8 (Orange)	16 (Orange)
Power		1 (Blue)
Station ID	1 x 2-digit 7-segment (Orange)	
Link	1 (Orange)	
10/100/1000 Mbps	non-FHD:10/100 Mbps (Orange / Green); FHD:100/1000 Mbps (Orange / Green)	
Emulation	PS/2; USB	
Keyboard / Mouse		
Video		
Local	1600 x 1200 @ 60Hz(non-FHD version); 1920 x 1200 @ 60Hz(FHD version)	
Remote	1600 x 1200 @ 60Hz(non-FHD version); 1920 x 1200 @ 60Hz(FHD version)	
Scan Interval	1-255 secs	
Maximum Input Power Rating	100-240V AC; 50/60 Hz; 1A	
Power Consumption	AC110V:8.7W:49BTU; AC220V:8.7W:49BTU	AC110V:8.9W:50BTU; AC220V:8.9W:50BTU
Environmental		
Operating Temperature	0° - 40°C	
Storage Temperature	-20° - 60°C	
Humidity	0-80% RH; Non-condensing	
Physical Properties		
Housing	Metal	
Weight	2.68 kg	2.70 kg
Dimensions (L x W x H)	43.72 x 16.36 x 4.40 cm	

Product information is subject to change without prior notice.

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