

8 / 16 Port Multi-Interface Cat 5 Dual Rail LCD KVM Switch

KL1508A (KL1508AM: 17" LCD; KL1508AN: 19" LCD)

KL1516A (KL1516AM: 17" LCD; KL1516AN: 19" LCD)

ATEN KL1508A / KL1516A LCD KVM Switch features independently retractable, dual slide 17" or 19" LED-backlit LCD monitor and keyboard with built-in touchpad. The KL1508A and KL1516A KVM switches are control units that allow IT administrators to access and control multiple computers from the LCD console and an extra PS/2 or USB KVM console.

For increased reliability and efficiency, RJ-45 connectors and Cat 5e / 6 cable are used to link to the computers. Utilizing KVM Adapters for the final linkup, the KL1508A / KL1516A permits any combination of PCs, Macs, Sun computers, and serial devices to coexist on the installation.

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 between consoles and servers to up to 50 m at a resolution of 1280 x 1024 @ 75Hz.

A KL1508A or KL1516A 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 KL1508A or KL1516A KVM switch.

Note: The KL1508A / KL1516A does not support virtual media even when paired with a virtual media-enabled KVM adapter.

KL1508A Front View



KL1508A Rear View



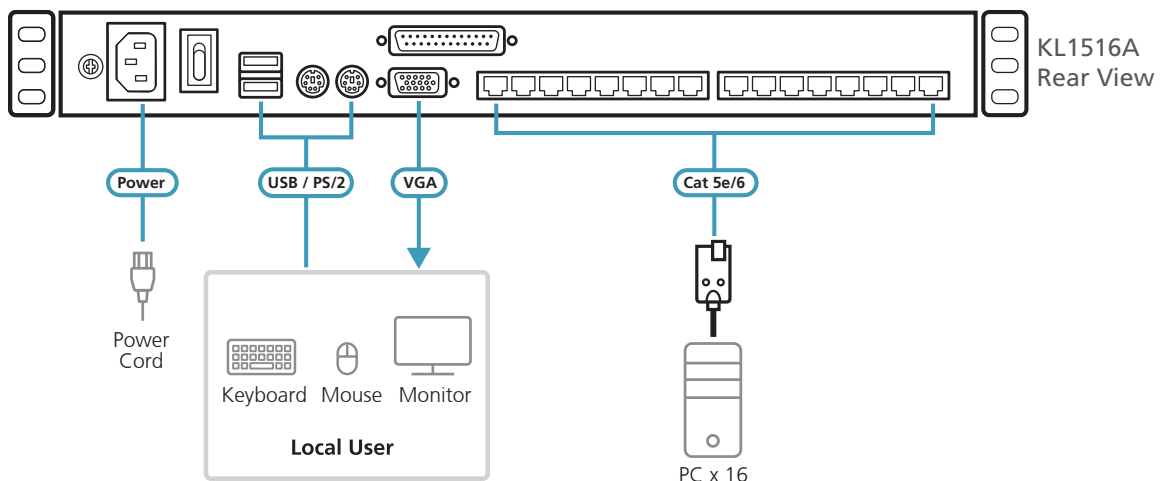
Features

- Exclusive LED illumination light — designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Integrated KVM console with 17" or 19" LED-backlit LCD monitor in a Dual Rail housing
- A single console controls up to 8 (KL1508A) or 16 (KL1516A) computers
- Space-Saving RJ-45 connectors and Cat 5e / 6 cabling
- KVM adapters* designed with automatic conversion to allow flexible interface combinations (PS/2, USB, Sun and serial) to control all computer types
- OSD tree structure makes finding and managing computers easy
- Conveniently located station and port selectors with LED displays to quickly switch to target computers
- Dual Rail housing is slightly less than 1U with top and bottom clearance for smooth operation in 1U of rack space
- Extra console port — manage computers in the LCD KVM switch from an external console (monitor, USB or PS/2 keyboard, and USB or PS/2 mouse)
- Additional hot-pluggable USB mouse port on front panel that supports HID device for keyboard and mouse
- Dual Rail — LCD monitor slides independently of the keyboard / touchpad
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Console lock — enables the console drawer to remain securely locked away in position when not in use
- Dedicated Hotkey Mode and OSD Invocation Keys reduce the number of keystrokes and provide quick access to these functions
- Daisy chain up to 31 additional KVM switches to control up to 256 / 512 computers
- Auto Scan mode enables continuous monitoring of user-selected computers
- Multi-platform support Windows, Mac, Sun and Serial
- Superior Video Quality — supports the video resolutions up to 1280 x 1024 @ 75Hz for up to 50 meters*
- Configure port access rights for users on a port - by - port basis
- Three port selection methods — Manual (via front panel pushbuttons), Hotkey, and multi-language OSD (On Screen Display)
- 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
- LCD power button helps save energy and prolong displays' life
- 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
- Optional rack mount kits available including easy installation options
- Keyboard Language support: English(US); English(UK); French, German, German(Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Note: With KVM Adapter KA7000 series, please see page 4 for details

Highlights

Flexibility	The LCD module rotates up to 120 degrees for a more comfortable viewing angle.
Easy Operation	Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and multi-language OSD (On Screen Display). Multi-language keyboard support includes English(US); English(UK); French, German, German(Swiss), Greek, 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 all 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 1600 x 1200 @ 60Hz for up to 40 meters, and 1280 x 1024 @ 75Hz for up to 50 meters with the new ATEN KVM Adapter KA7000 series.
Multiple User Accounts	Supports up to 10 user and 1 administrator accounts
Space-Saving RJ-45 Connectors and Cat 5e/6 Cabling	This space-saving innovation means that the KL1508A / KL1516A can be conveniently installed in a 1U system rack. Reduces cable clutter for a neat and tidy data center environment
KVM Adapter with ID	The KL1508A / KL1516A KVM series supports automatic ID recognition of the new ATEN KVM Adapter KA7000 series. Using the new adapter with ID means it is not required to change cable configuration settings when moving adapters from port to port. Device ID and attributes are stored in the adapter allowing you to hot-swap port connections without having to reconfigure attributes.



Highlights

Single Person Easy Installation (Optional)

ATEN LCD KVM Switches allow you to choose from a host of optional rack mount kits to meet your needs, including the Single Person Easy Installation Rack Mount Kit, which streamlines the rack mounting process. Normal rack mounting procedures call for at least two people to rack mount a KVM switch. The Single Person Easy Installation Rack Mount Kit enables one person to rack mount a LCD KVM Switch. In just a matter of minutes, your new LCD KVM Switch can go from the box to the rack.

Rack Mount Kits

For convenience and flexibility, there is one standard, and three optional rack mounting kits available:



Model No.	Bracket Type	Depth (cm)
KL1508AN, KL1516AN, (19" LCD)	Standard Installation – Short (Standard)	42 – 77
	Standard Installation – Long (2X-010G)	68 – 105
	Easy Installation – Short (2K-0005)	57 – 70
	Easy Installation – Long (2K-0006)	68 – 105
KL1508AM, KL1516AM, (17" LCD)	Standard Installation – Short (Standard)	42 – 77
	Standard Installation – Long (2X-010G)	68 – 105
	Easy Installation – Short (2K-0005)	57 – 70
	Easy Installation – Long (2K-0006)	68 – 105

The following KVM Adapter are required for use with the KL1508A / KL1516A:

									
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

	KL1508AM	KL1508AN
Computer Connections		
Direct	8	
Maximum	256 (via Daisy-chain)	
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
KVM Ports	8 x RJ-45 Female	
Daisy Chain Ports	1 x DB-25 Male	
Firmware Upgrade	1 x RJ-11 Female	
Power	1 x IEC60320/C14	
External Console Ports	1 x HDB-15 Female (Blue); 2 x USB Type-A Female; 1 x 6-pin Mini-DIN Female (Purple); 1 x 6-pin Mini-DIN Female (Green)	
External Mouse Port	1 x USB Type-A Female (Front)	
Switches		
Port Selection	8 x Pushbutton	
Station Selection	2 x Pushbutton	
Reset	1 x Semi-recessed Pushbutton	
Firmware Upgrade	1 x Slide Switch	
Power	1 x Rocker Switch	
LCD Control	4 x Pushbutton	
LCD Power	1 x LED Pushbutton	
LEDs		
Online	8 (Green)	
Selected	8 (Orange)	
Power	1 (Blue)	
Station ID	1 x 2 Digit 7-segment (Orange)	
Lock	1 x Num Lock (Green); 1 x Num Lock (Green); 1 x Caps Lock (Green)	
LCD Power	1 (Orange)	
LED Illumination Light	1 x LED Illumination Light	
Panel Spec		
LCD Module	17" TFT-LCD	19" TFT-LCD
Resolution	1280 x 1024 @ 75 Hz	
Response time	5 ms	
Viewing Angle	170° (H), 160° (V)	
Pixel Pitch	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm
Support Color	16.7M colors	
Contrast Ratio	1000:1	
Luminance	250 cd/m²	
Video		
Input Video Resolution	1920 x 1200 @ 60 Hz	
Second console	1920 x 1200 @ 60 Hz	
Scan Interval	1–255 seconds	
Emulation		
Keyboard / Mouse	PS/2, USB, Serial	
Maximum Input Power Rating	100 – 240V AC; 50 – 60Hz; 1A	
Power Consumption	AC110V:16.7W; AC220V:18.9W	AC110V:19.9W; AC220V:21.2W
Environmental		
Operating Temperature	0 – 40 °C	
Storage Temperature	-20 – 60 °C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Rail Type	Dual Rail	
Weight	15.19 kg	15.35 kg
Dimensions (L x W x H)	48.00 x 70.12 x 4.40 cm	

	KL1516AM	KL1516AN
Computer Connections		
Direct	16	
Maximum	512 (via Daisy-chain)	
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
KVM Ports	16 x RJ-45 Female	
Daisy Chain Ports	1 x DB-25 Male	
Firmware Upgrade	1 x RJ-11 Female	
Power	1 x IEC60320/C14	
External Console Ports	1 x HDB-15 Female (Blue); 2 x USB Type-A Female; 1 x 6-pin Mini-DIN Female (Purple); 1 x 6-pin Mini-DIN Female (Green)	
External Mouse Port	1 x USB Type-A Female (Front)	
Switches		
Port Selection	16 x Pushbutton	
Station Selection	2 x Pushbutton	
Reset	1 x Semi-recessed Pushbutton	
Firmware Upgrade	1 x Slide Switch	
Power	1 x Rocker Switch	
LCD Control	4 x Pushbutton	
LCD Power	1 x LED Pushbutton	
LEDs		
Online	16 (Green)	
Selected	16 (Orange)	
Power	1 (Blue)	
Station ID	1 x 2 Digit 7-segment (Orange)	
Lock	1 x Num Lock (Green); 1 x Num Lock (Green); 1 x Caps Lock (Green)	
LCD Power	1 (Orange)	
LED Illumination Light	1 x LED Illumination Light	
Panel Spec		
LCD Module	17" TFT-LCD	19" TFT-LCD
Resolution	1280 x 1024 @ 75 Hz	
Response time	5 ms	
Viewing Angle	170° (H), 160° (V)	
Pixel Pitch	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm
Support Color	16.7M colors	
Contrast Ratio	1000:1	
Luminance	250 cd/m²	
Video		
Input Video Resolution	1920 x 1200 @ 60 Hz	
Second console	1920 x 1200 @ 60 Hz	
Scan Interval	1 – 255 seconds	
Emulation		
Keyboard / Mouse	PS/2, USB, Serial	
Maximum Input Power Rating	100 – 240V AC; 50 – 60Hz; 1A	
Power Consumption	AC110V:16.8W; AC220V:19.8W	AC110V:20W; AC220V:22.1W
Environmental		
Operating Temperature	0 – 40 °C	
Storage Temperature	-20 – 60 °C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Rail Type	Dual Rail	
Weight	15.20 kg	15.36 kg
Dimensions (L x W x H)	48.00 x 70.12 x 4.40 cm	

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