

KL1508A/KL1516A

8/16-Port Cat 5 High-Density Dual Rail LCD KVM Switch

ALTUSCN™
Enterprise KVM Solutions by ATEN

ALTUSEN KL1508A / KL1516A LCD KVM Switch features independently retractable, dual slide 17" or 19" 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 Adapter Cables 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 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. Other advances found with these switches includes enhanced video quality – extending the distance to the servers to up to 50 m* at a resolution of 1280 x 1024.

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.

* With KVM Adapter Cable KA7000 series, please see page 4 for details.



» FEATURES

- Integrated KVM console with 17" or 19" 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 adapter cables* 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)
- Supports external USB 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 512 computers
- Auto Scan mode enables continuous monitoring of user-selected computers
- Multiplatform support: PC, Mac, Sun and Serial
- Superior Video Quality- Supports the video resolutions up to 1600x1200@60Hz for up to 40 meters, and 1280x1024@75 Hz 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

* With KVM Adapter Cable KA7000 series, please see page 4 for details.

» Benefits

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 US English, UK English, French, German, Swiss German, 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 1600x1200@60Hz for up to 40 meters, and 1280x1024@75Hz for up to 50 meters with the new ATEN KVM Cable Adapter KA7000 series.

Multiple User Accounts

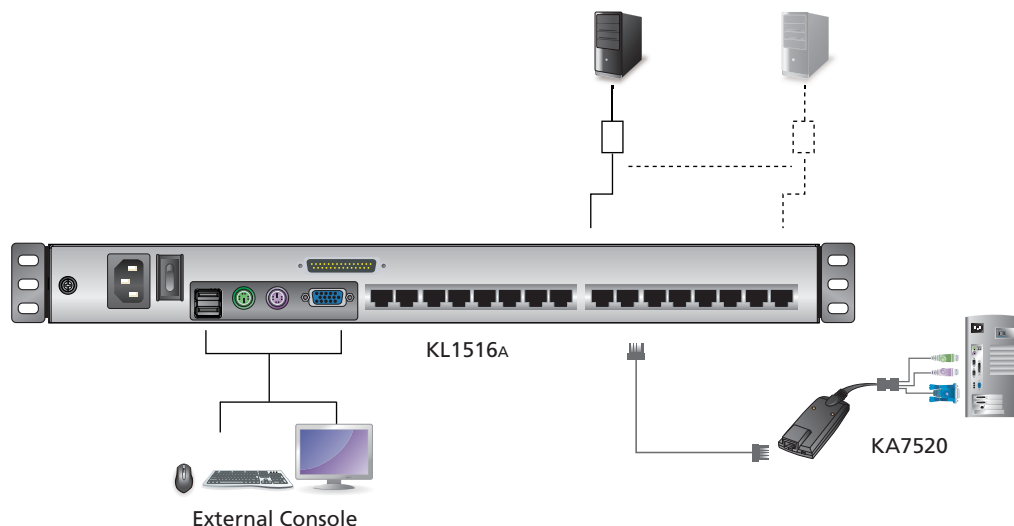
Supports up to 10 user and 1 administrator accounts

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

Adapter Cables with ID

The KL1508A / KL1516A KVM series supports automatic ID recognition of the new ATEN KVM Cable Adapter 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.



Optional

Single Person Easy Installation (Optional)

ALTUSEN 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:



| | Rack Mount Kit | Depth (cm) |
|-------------------|-------------------------|------------|
| 17" LCD / 19" LCD | Short (Standard) | 42.0-77.0 |
| 17" LCD | 2X-010G (Long/Optional) | 68.0-105.0 |
| 19" LCD | 2X-010G (Long/Optional) | 68.0-105.0 |

| | Easy Installation Rack Mount Kit | Depth (cm) |
|---------|----------------------------------|------------|
| 17" LCD | 2X-011G (Short/Optional) | 57.0-70.0 |
| | 2X-012G (Long/Optional) | 68.0-105.0 |
| 19" LCD | 2X-011G (Short/Optional) | 63.0-70.0 |
| | 2X-012G (Long/Optional) | 74.0-105.0 |

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

| Type: | PS/2 | USB | PS/2 | USB | Sun Legacy | Serial |
|------------|---|--|---|--|-------------------------------------|------------------------|
| 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 |

Specification

| Function | | | KL1508A | KL1516A | |
|----------------------|------------------------|-------------------------|--|---------------------------|--|
| Computer Connections | Direct | | 8 | 16 | |
| | Max. | | 256 (via Daisy Chain) | 512 (via Daisy Chain) | |
| Port Selection | | | OSD (On Screen Display); Hotkeys Pushbuttons | | |
| Connectors | Console Ports | 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 (Black) | 16 x RJ-45 Female (Black) | |
| | Daisy Chain | Chain Out | 1 x DB-25 Male (Black) | | |
| | F/W Upgrade | | 1 x RJ-11 Male (Black) | | |
| | Power | | 1 x 3-Prong AC socket | | |
| | External Mouse | | 1 x USB Type A (Female) | | |
| Switches | Port Selection | | 8 x Pushbutton | 16 x Pushbutton | |
| | KVM Reset | | 1 x Semi-recessed Pushbutton | | |
| | F/W Upgrade | | 1 x Slide | | |
| | Power | | 1 x Rocker | | |
| | LCD Power | | 1 x Pushbutton | | |
| | LCD Adjustment | | 4 x Pushbutton | | |
| | Station | | 2 x Pushbutton | | |
| LEDs | Port | On Line | 8 (Green) | 16 (Green) | |
| | | Selected | 8 (Orange) | 16 (Orange) | |
| | Power | | 1 (Blue) | | |
| | Station ID | | 1 x 2 Digit 7-segment (Orange) | | |
| | Lock | | | 1 x Num Lock (Green) | |
| | | | | 1 x Caps Lock (Green) | |
| | | 1 x Scroll Lock (Green) | | | |
| LCD Power | | 1 (Orange) | | | |
| Emulation | Keyboard / Mouse | | PS/2; USB (PC, Mac, Sun); Serial | | |
| Video | | | 1600 x 1200 @ 60Hz (40 m), 1280 x 1024 @ 75 Hz (50 m)* | | |
| Scan Interval | | | 1-255 sec. | | |
| I/P Rating | | | 100-240 V AC; 50/60 Hz; 1A | | |
| Power Consumption | 17" LCD | | 100V 26.2W / 230V 27.4W | | |
| | 19" LCD | | 100V 28.2W / 230V 29.1W | | |
| Environment | Operating Temp. | | 0-40°C | | |
| | Storage Temp. | | -20-60°C | | |
| | Humidity | | 0-80% RH, Non-condensing | | |
| Physical Properties | Housing | | Metal | | |
| | Weight | 17" LCD | 16.84 kg | 16.86 kg | |
| | | 19" LCD | 18.31 kg | 18.33 kg | |
| | Dimensions (L x W x H) | 17" LCD | 70.90 x 48.20 x 4.40 cm | | |
| | | 19" LCD | 76.00 x 48.20 x 4.40 cm | | |

* With KVM Adapter Cable KA7000 series, please see page 4 for details.

ATEN International Co., Ltd.

3F, No.125, Sec. 2, Datong Rd., Sijih District., New Taipei City 221, Taiwan

Phone: +886-2-8692-6789 Fax: +886-2-8692-6767 www.aten.com E-mail: online@aten.com.tw



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Printed 04/2011 V2.0