



## Choosing a High Quality LCD Console/LCD KVM Switch For Your Server Room

LCD KVM switch/console play a very important role in server rooms that have limited space, since they save the space that using a separate console for each server would take up. The quality of the console, however, can determine the performance and reliability of the entire rack. If quality is ignored in favor of price, alone, during equipment purchases, the negative impact on rack reliability and quality of operations will often far exceed any supposed savings in price. Choosing products wisely, and deploying the appropriate equipment, is the key to achieving high performance in the server room when operating on a limited budget.

Based on these considerations, the problem of buying a reliable, high quality LCD KVM switch/console for the server room is one of the biggest challenges facing IT departments today.

### Solution

#### ATEN LCD KVM Switch/Console



We believe that an enterprise that utilizes the ATEN LCD KVM switch/console can make more effective use of their server room rack space, while receiving the best solution for their business in terms of convenience, reliability, scalability, compatibility and support.

### Efficient, High Quality, Mechanical Design

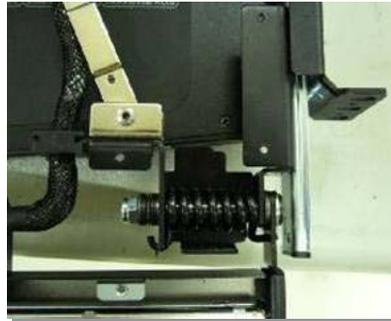
#### Quality Ball Bearings

The ATEN LCD KVM switch/console features high quality components. The roller rails, for example, contamination or uneven movement when sliding the keyboard and LCD modules in and out.

With operator safety and convenience in mind, the roller rail has been designed with a locking mechanism to prevent the keyboard module from sliding during use. Without the locking mechanism, the keyboard can slide away if accidentally bumped.

#### Durable Hinge

Apart from high quality roller rails, ATEN also chose a more durable hinge to make sure the LCD module stays exactly where it is positioned, instead of shifting around due to a worn out hinge. The spring-loaded hinge on the 19" model makes it easier to lift up the cover, and offers better support when closing the cover, as well.



### High Stability

#### Internal Power Supply

A drawback to a number of LCD KVM switch/console currently on the market is that they require a large external power supply unit that takes up a lot of space at the power socket and tends to come loose when bumped. To simplify power supply management and server room layout, the power supply used with ATEN's LCD KVM switch/console is safety certified and integrated directly into the KVM switch. Not only does it avoid wasted space at the power socket, it provides increased stability by overcoming problems that arise from unreliable connections.

### High Scalability

#### Daisy Chaining for Increased Access to More Switches and Servers

A built-in daisy chain port permits connecting up to 31 additional KVM switches – providing access to up to 512 computers – all of which can be accessed and controlled through the original switch's OSD.

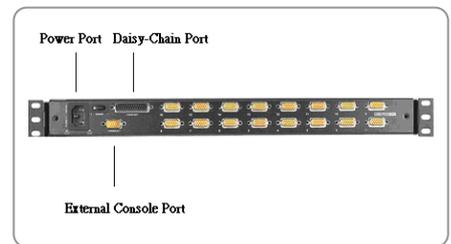
#### Broadcasting

A powerful Broadcast function enables data input from the switch/console to be transmitted to all connected servers at the same time. Tasks such as software installation, updates, etc. can be performed easily and efficiently, since administrators don't have to enter the instructions for each server one by one.

#### External Console Port

An additional external console can be connected to the switch via the external console port – allowing two users to share access to the servers at the same time. A KVM signal extender can also allow the external console to be located up to 300m away.

By connecting an ATEN Over-IP product to the external console port, users can even access and control the switch and connected servers over the Internet.



**High Compatibility**

**Firmware Upgrade**

Lifetime firmware upgrade support ensures compatibility with the latest OS versions.

**High Usability**

**User Friendly Port Switching Buttons and Status Lights**



In addition to the powerful, menu-driven OSD, port switching can be quickly and conveniently carried out by pressing push-button

switches located directly above the keyboard. A 7-segment LED is provided to indicate which server currently has the focus – allowing users to easily navigate among the connected servers.

**External Mouse Port/USB Peripheral Port**

USB peripherals can be connected to the switch and shared by the connected servers. Support is also provided for connecting an external USB mouse in case administrators prefer that to using the touchpad.

Note: Not all features described above are supported on all models. For detailed information concerning specific models and the features they support, please refer to the product specification table shown below.

ATEN Technology is committed to helping businesses overcome the problem of limited space in their data centers. To this end, ATEN has developed a number of multi-function, high-quality LCD KVM switches and consoles. The ATEN LCD KVM switch/console integrates a 17" or 19" LCD monitor, keyboard and mouse, with an 8 or 16-port KVM switch. They allow up to 16 servers to be connected while taking up just 1U of rack space, resulting in more effective use of server room space. Up to 31 additional KVM switches can also be connected, providing access and control for up to 512 computers from the original LCD KVM switch/console. To ensure data security and hardware safety, ATEN has also developed an LCD KVM switch/console with fingerprint recognition that limits access to authorized users only. The LCD KVM switch/console from ATEN offers a total solution for rack management and represents the optimum investment for IT departments.

**ATEN LCD KVM switch/console Product Specifications**

Model	LCD KVM Switch						LCD Console		
	KL3116T	KL3116	KL9108/ KL9116	KL1508/ KL1516	CL5708/ CL5716	CL1008/ CL1016	KL1100	CL5800	CL1000
Line	ALTUSEN			ATEN			ALTUSEN	ATEN	
Ports	16			8/16			1		
Port Selection	OSD · Hotkey · Pushbutton						x		
Expansion	512 Daisy-chain		64/128 Cascade	256/512 Daisy-chain		128/256 Daisy-chain	x		
External Console	SPHD (PS/2 · USB; HDB-15)	SPHD (USB; HDB-15)	PS/2; HDB-15		SPHD (PS/2 · USB; HDB-15)	x	PS/2 · USB; HDB-15		x
Extra Mouse Port	USB	PS/2		USB	x	USB		x	
LCD	17"		17"/19"		17"		17"/19"	19"	17"
Dual Rail	✓			x			✓	x	
Pushbuttons	Port			Station			x		
	✓	x		✓	x		x		
Auto Scan	x			✓			x		
Broadcast Support	✓	x		✓			x		
Multi-level Password Security	x			✓			x		
Firmware Upgradeable	x			✓			✓	x	
USB Peripheral Port	✓	x		✓	x		x	✓	x
KVM Over the NET™	x	✓		x			x		
Touchscreen	✓	x			x			x	
Fingerprint Identification	x			✓		x		x	



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