## models KL1116L (15" LCD) / KL1116M (17" LCD)





"ATEN's KVM solutions had the scalability we needed to expand our server room, and at a cost that was affordable to us."

# 16-Port Hideaway Dual Console 15"/17" KVM Switch Supports Windows, Linux, Unix, Netware, AIX (RS6000), DOS 6.2 and higher



ATEN's new 16-port Hideaway™, KL1116, is a control unit that allows access to multiple computers from a single KVM (keyboard, monitor, and mouse), console. A single KL1116 can control up to 16 computers. As many as 31 additional units can be daisy chained to each other, so that up to 512 (KL1116 + KH0116) computers can all be controlled from a KL1116.

The KL1116 offers a space-saving, streamlined approach to KVM switch technology by integrating a keyboard, LCD monitor, and touchpad in a 1U Hideaway™ housing. The LCD module and keyboard module slide separately - you can see the video display, for example, while the keyboard and touchpad are conveniently out of the way.

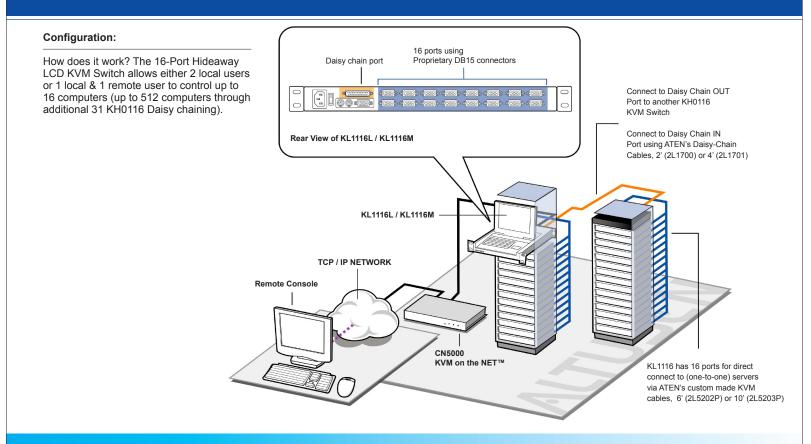
Access to any computer connected to the installation is easily accomplished either by means of a powerful, mouse driven, OSD (On Screen Display) menu system, or by entering Hotkey combinations from the keyboard. A convenient Auto Scan feature also permits automatic scanning and monitoring of the activities of all computers running on the installation one by one.

- Integrated KVM console with 15" or 17" LCD monitor
- Hideaway<sup>™</sup> housing is slightly less than 1U
- · LCD Monitor component can slide independently of the keyboard touchpad component
- Two consoles (one bus) controls up to 16 computers
- Daisy chain up to 31 additional units to control up to 512 computers from the switch's integrated Hideaway™ console.
- No software required convenient computer selection via mouse driven intuitive On Screen Display (OSD) menus and Hotkeys
- Auto Scan feature for monitoring user-selected computers
- · Broadcast support commands from the keyboard can be broadcast to all available computers on the installation.
- · Hot Pluggable add or remove computers without having to power down the switch
- Two level password security only authorized users view and control the computers - up to four users plus an administrator with separate profiles for each
- DDC Emulation of the LCD Monitor VGA settings of every connected computer is automatically adjusted for optimal output to the LCD Monitor
- · Firmware upgradeable.
- Supports Windows, Linux, UNIX, Netware, AIX (RS6000), DOS 6.2 and higher



# 16-Port Hideaway Dual Console 15"/17" KVM Switch

Supports Windows, Linux, Unix, Netware, AIX (RS6000), DOS 6.2 and higher



### **Requirements:**

#### Computer:

The integrated LCD monitor's maximum resolution is  $1024 \times 768 (15")$  or  $1280 \times 1024 (17")$ . Make sure that none of the computer resolution settings exceed the LCD monitor's maximum resolution.

- Note1: The KL1116 does not support serial mice. You cannot use Serial-to-PS/2 adapters with the cables. Attempts to do so will not work.
- Note2: The KL1116 supports the installation of a local external console. If you install an
  external console and wish to extend the distance between it and the switch, CS Custom
  extender cables are available in various lengths. Contact your dealer for details.

#### Cables:

For PS/2 computers, use ATEN part number 2L520XP\* For USB computers, use ATEN part number 2L520XUP\*

\*"X" stands for the length of the cable: "1" is 3 ft., "2" is 6 ft., "3" is 10 ft., "5" is 16 ft.

#### Package Contents:

- 1 KL1116 Hideaway™ LCD KVM Switch with Standard Rack Mounting Kit
- 2 Custom KVM Cable Sets
- 1 Firmware Upgrade Cable
- 1 Power Cord
- 1 User Manual
- 1 Quick Start Guide
- 1 Registration Card

## Specifications:

OSD (On Screen Display)           Hotkeys           LEDs           On Line         16 (Green)           Selected         16 (Orange)           Power         1 (Blue)           Lock         1 x Num Lock (Green)           1 x Caps Lock (Green)         1 x Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: -0-50°C           Storage Temperature: -0-80° RH         Housing           Weight         15" LCD         16.5kg           17" LCD         16.5kg	Computer Connectors	Direct	16
OSD (On Screen Display)           Hotkeys           LEDs         On Line         16 (Green)           Selected         16 (Orange)           Power         1 (Blue)           Lock         1 x Num Lock (Green)           1 x Caps Lock (Green)         1 x Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: -0-50°C           Storage Temperature: -0-80°C         Humidity : 080% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         16.5kg		Max	512 (via Daisy Chain)
Hotkeys           LEDs         On Line         16 (Green)           Selected         16 (Orange)           Power         1 (Blue)           Lock         1 x Num Lock (Green)           1 x Caps Lock (Green)         1 x Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: -0-60°C           Humidity : 080% RH         Metal           Weight         15" LCD         16.5kg           17" LCD         16.5kg	Port Selection		Push button switches
LEDs         On Line         16 (Green)           Selected         16 (Orange)           Power         1 (Blue)           Lock         1 x Num Lock (Green)           1 x Scroll Lock (Green)         1 x Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: 0~50°C         Storage Temperature: 0~60°C           Humidity: 0~80% RH         Metal           Weight         15" LCD         16.5kg           17" LCD         16.5kg			OSD (On Screen Display)
Selected         16 (Orange)           Power         1 (Blue)           Lock         1 x Num Lock (Green)           1 x Caps Lock (Green)         1 x Scroll Lock (Green)           1 x Scroll Lock (Green)         1 x Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity: 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         16.5kg			Hotkeys
Power       1 (Blue)         Lock       1 x Num Lock (Green)         1 x Caps Lock (Green)       1 x Caps Lock (Green)         1 x Scroll Lock (Green)       1 x Scroll Lock (Green)         Connectors       CPU Ports       16 x SPHD-15 Female         Daisy Chain       1 x DB-25 Male         Firmware Upgrade       1 x RJ-11         Power       1 x Slide (FW Upgrade Recovery)         Scan Interval (OSD Select)       User Specified: 1 - 255 secs.         Keyboard/Mouse Emulation       PS/2         Video       15" LCD       1024 x 768 @ 75Hz; DDC2B         17" LCD       1280 x 1024 @ 75Hz; DDC2B         Power Consumption       120V 60Hz 24W / 230V 50Hz 24W         Environment       Operating Temperature: -0~50°C         Storage Temperature: -0~60°C       Humidity: 0~80% RH         Housing       Metal         Weight       15" LCD       16.5kg	LEDs	On Line	16 (Green)
Lock     1 (x Num Lock (Green)       Lock     1 x Num Lock (Green)       1 x Caps Lock (Green)     1 x Caps Lock (Green)       1 x Scroll Lock (Green)     1 x Scroll Lock (Green)       Connectors     CPU Ports     16 x SPHD-15 Female       Daisy Chain     1 x DB-25 Male       Firmware Upgrade     1 x RJ-11       Power     1 x Slide (FW Upgrade Recovery)       Scan Interval (OSD Select)     User Specified: 1 - 255 secs.       Keyboard/Mouse Emulation     PS/2       Video     15" LCD     1024 x 768 @ 75Hz; DDC2B       17" LCD     1280 x 1024 @ 75Hz; DDC2B       Power Consumption     120V 60Hz 24W / 230V 50Hz 24W       Environment     Operating Temperature: 0~50°C       Housing     Metal       Weight     15" LCD     16.5kg       17" LCD     16.5kg		Selected	16 (Orange)
Connectors         CPU Ports         1 x Caps Lock (Green)           Daisy Chain         1 x DB-25 Male           Dimware Upgrade         1 x RJ-11           Power         1 x Full range AC power port           Switches         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity: 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg		Power	1 (Blue)
Ix Scroll Lock (Green)           Connectors         CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Full range AC power port           Switches         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0-50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg		Lock	1 x Num Lock (Green)
CPU Ports         16 x SPHD-15 Female           Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x Full range AC power port           Switches         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0-50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg			1 x Caps Lock (Green)
Daisy Chain         1 x DB-25 Male           Firmware Upgrade         1 x RJ-11           Power         1 x RJ-11           Power         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15° LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity: 0~80% RH           Housing         Metal           Weight         15″ LCD         16.5kg           17" LCD         17.1kg			1 x Scroll Lock (Green)
Firmware Upgrade         1 x RJ-11           Power         1 x RJ-11           Power         1 x Full range AC power port           1 x Slide (FW Upgrade Recovery)         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15° LCD         1024 x 768 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity: 0~80% RH           Housing         Metal           Weight         15″ LCD         16.5kg           17″ LCD         17.1kg	Connectors	CPU Ports	16 x SPHD-15 Female
Power         1 x Full range AC power port           Switches         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity: 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg		Daisy Chain	1 x DB-25 Male
Switches         1 x Slide (FW Upgrade Recovery)           Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg		Firmware Upgrade	1 x RJ-11
Scan Interval (OSD Select)         User Specified: 1 - 255 secs.           Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg		Power	1 x Full range AC power port
Keyboard/Mouse Emulation         PS/2           Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Switches		1 x Slide (FW Upgrade Recovery)
Video         15" LCD         1024 x 768 @ 75Hz; DDC2B           17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Scan Interval (OSD Select)		User Specified: 1 - 255 secs.
17" LCD         1280 x 1024 @ 75Hz; DDC2B           Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Keyboard/Mouse Emulation		PS/2
Power Consumption         120V 60Hz 24W / 230V 50Hz 24W           Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Video	15" LCD	1024 x 768 @ 75Hz; DDC2B
Environment         Operating Temperature: 0~50°C           Storage Temperature: -20~60°C         Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg		17" LCD	1280 x 1024 @ 75Hz; DDC2B
Storage Temperature: -20~60°C           Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Power Consumption		120V 60Hz 24W / 230V 50Hz 24W
Humidity : 0~80% RH           Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg	Environment		Operating Temperature: 0~50°C
Housing         Metal           Weight         15" LCD         16.5kg           17" LCD         17.1kg			Storage Temperature: -20~60°C
Weight         15" LCD         16.5kg           17" LCD         17.1kg			Humidity : 0~80% RH
17" LCD 17.1kg	Housing		Metal
······································	Weight	15" LCD	16.5kg
Dimensions ( Wx Dx H ) 44.8 x 68 x 4.2 cm (19" / 1U)		17" LCD	17.1kg
	Dimensions ( Wx Dx H )		44.8 x 68 x 4.2 cm (19" / 1U)