8/16-Port PS/2-USB VGA Single Rail WideScreen LCD KVM Switch

CL3108 (CL3108NX: 18.5” LCD)
CL3116 (CL3116NX: 18.5” LCD)

The ATEN CL3108 / CL3116 LCD KVM Switch offers a space-saving, streamlined approach to KVM switch technology by integrating a keyboard, 18.5" LED-backlit LCD monitor, and a touchpad in a 1U rack-mountable sliding housing. The short-depth design maximizes space utility for equipping rack-mounting devices in narrow spaces. In addition, its exclusive LED illumination light provides users with proper visibility when working in low-light conditions.

The CL3108 / CL3116 can control up to 8/16 computers; when 8/16 additional KVM switches are cascaded, a single CL3108/CL3116 LCD KVM Switch can control up to 128/256 computers. To achieve greater operational efficiency, the CL3108 / CL3116 offers broadcast mode, which the console spreads out the commands to all computers to perform operations simultaneously. Besides, the auto scan mode fulfills the needs for continuous monitoring a specific group of computers, and establishing a reliable working environment for users.

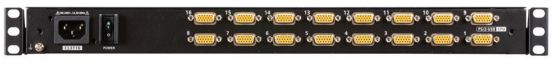
To enhance information security, the CL3108 / CL3116 provides two-level password security which restricts unauthorized users from viewing and controlling the computers. For added convenience, the CL3108 / CL3116 comes with an additional hot-pluggable USB mouse port that only supports HID device for keyboard and mouse.

As a feature-rich LCD KVM Switch, the CL3108 / CL3116 is aimed not just to achieve but exceed the requirements for space utility optimization, superior video quality, adaptive deployment, and operational versatility, and thus is ideal for control rooms with limited space in any industry.

CL3116 Front View



CL3116 Rear View



CL3108 Rear View



Features

Space Utility Optimization

- Exclusive LED illumination light – designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low light conditions
- Integrated LCD KVM console with an 18.5'' LED-backlit widescreen LCD monitor in a single rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Short-depth design allows users to work with their rack-mounting equipment in narrow spaces
- Console lock – enables the console drawer to remain securely locked away in position when not in use

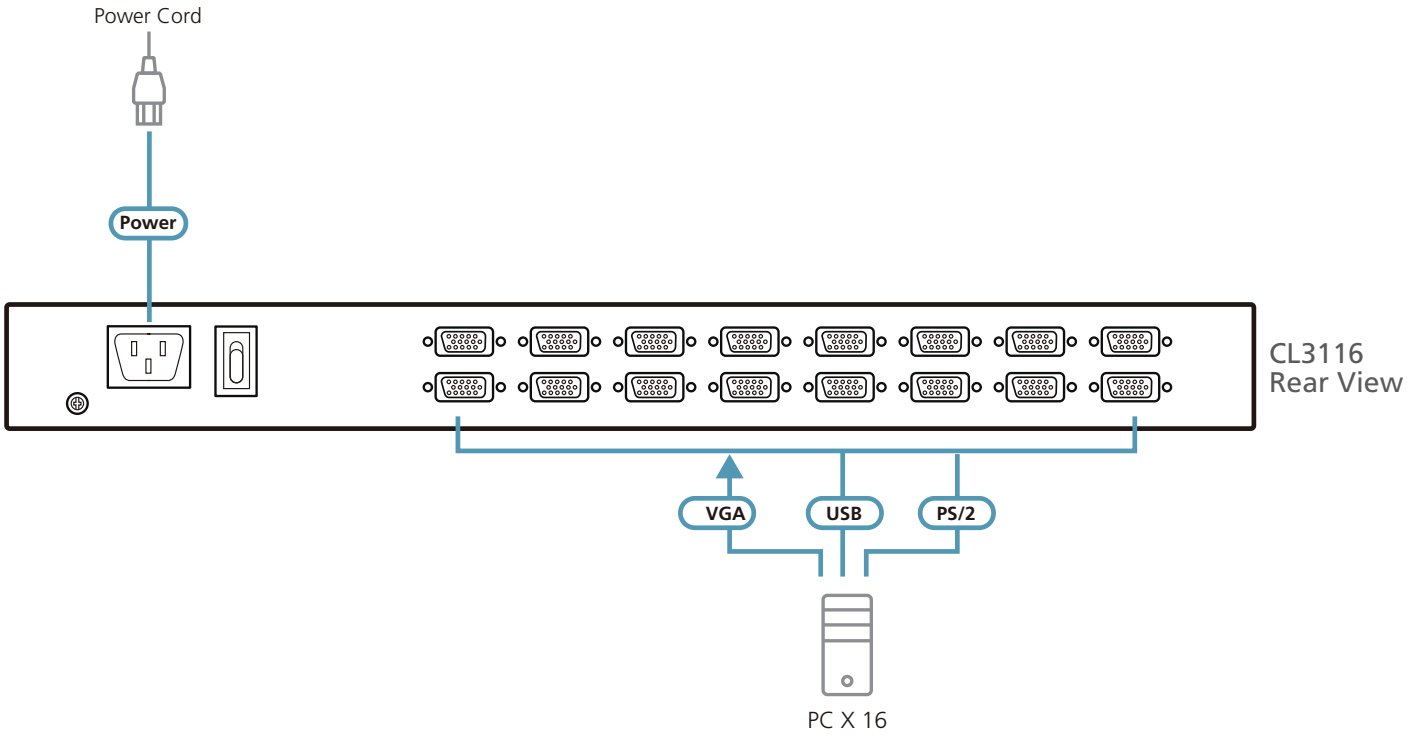
Reliability and Operational Versatility

- Superior video quality – up to 1366 x 768 @ 60 Hz; DDC2B
- Cascade up to 2 levels – CL3108 controls up to 128 computers or CL3116 controls up to 256 computers from a single console (With compatible KVM Switches: CS1308, CS1316)
- Dual Interface – supports computers with PS/2 or USB keyboards and mice
- Auto PS/2 and USB interface detection
- Keyboard and mouse emulation (PS/2 and USB) for smooth switching and simultaneously booting multiple computers even when the console focus is elsewhere
- Computer selection via pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- Broadcast mode – allows users to send commands from the console to all computers to perform operations simultaneously
- Two level password security – only authorized users can view and control computers
- Auto Scan mode – enables continuous monitoring of user-selected computers
- Supports the following keyboard languages: English (UK), English (US), French, German (Germany), German (Switzerland), Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish, and Traditional Chinese
- Additional hot-pluggable USB mouse port on front panel that supports HID device for keyboard and mouse

Installation Flexibility

- Standard rack mount kit included
- Optional rack mount kits available including easy installation options*
- No software required
- Firmware upgradable
- Supports hot-plugging

Note: Contact your ATEN dealer for product information.



Optional

Rack Mount Kit

Slideaway™ LCD KVM switches / consoles allow users to choose from a host of optional rack mount kits to meet users' 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/console. The single person easy installation rack mount kit enables one person to rack mount a Slideaway™ LCD KVM switch / console. In just a matter of minutes, Slideaway™ LCD KVM switch / console can go from the box to the rack.

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

Standard Rack Mount Kit	Depth (cm)
Short (Standard)	58 – 80
2X-040G (Long / Optional)	70 – 105

Easy Installation Rack Mount Kit	Depth (cm)
2K-0005 (Short / Optional)	57 – 70
2K-0006 (Long / Optional)	68 – 105

Specifications

	CL3108NX	CL3116NX
Computer Connections		
Direct	8	16
Maximum	128 (via Cascade)	256 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
KVM Ports	8 x SPHD Female (Yellow)	16 x SPHD Female (Yellow)
External Mouse Port	1 x USB Type-A Female (Front)	
Firmware Upgrade	1 x 3.5mm Audio Jack Female (Black)	
Power	1 x IEC 60320/C14	
Switches		
Reset	1 x Semi-recessed Pushbutton	
Power	1 x Rocker Switch	
Firmware Upgrade	1 x Slide Switch	
LCD Control	4 x Pushbutton	
LCD Power	1 x LED Pushbutton	
Port Selection	8 x Pushbutton	16 x Pushbutton
LEDs		
Online	8 (Orange)	16 (Orange)
Selected	8 (Green)	16 (Green)
Power	1 x KVM Console (Dark Green) 1 x LCD (Orange)	
Lock	1 x Num Lock (Green) 1 x Caps Lock (Green) 1 x Scroll Lock (Green)	
LED Illumination Light	1 x LED Illumination Light	
Emulation		
Keyboard / Mouse	PS/2, USB	
Video		
Input Video Resolution	up to 1920 x 1200 @ 60 Hz; 1366 x 768 @ 60 Hz, DDC2B	
Panel Spec		
LCD Module	18.5" TFT-LCD	
Resolution	1366 x 768 @ 60 Hz	
Response time	5 ms	
Viewing Angle	170° (H), 160° (V)	
Pixel Pitch	0.3 mm x 0.3 mm	
Support Color	16.7M colors	16.77M colors
Contrast Ratio	1000 : 1	
Luminance	450 cd/m²	
Scan Interval	1-255 seconds	
Maximum Input Power Rating	100-240VAC; 50 - 60 Hz; 1A	
Power Consumption	AC 110 V:14.1 W; AC 220 V:14.9 W	
Environmental		
Operating Temperature	0 – 40°C	
Storage Temperature	-20 – 60°C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal + Plastic	
Rail Type	Single Rail	
Weight	10.50 kg	10.60 kg
Dimensions (L x W x H)	48.06 x 63.10 x 4.28 cm	48.06 x 63.10 x 4.28 cm
Body Dimensions (L x W x H)	44.92 x 58.4 x 4.28 cm	44.92 x 58.4 x 4.28 cm

Note:

1. For some rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.
2. Body Dimensions exclude I/O ports, handles, and mounting brackets.

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