

8/16-Port USB HDMI Single Rail WideScreen LCD KVM Switch

CL3708NX (8-Port, 18.5" LCD)

CL3716NX (16-Port, 18.5" LCD)

The ATEN CL3708NX / CL3716NX is a space-efficient 1U single-rail LCD KVM switch designed for environments where space is limited, such as control rooms across various industries. Integrating an 18.5" LED-backlit widescreen monitor, full keyboard, and touchpad into a short-depth sliding housing, it provides reliable local access while maximizing valuable rack space.

Maximize Rack Space While Maintaining Clear Visibility

The CL3708NX / CL3716NX features a compact 1U single-rail chassis designed for shallow racks or other space-constrained environments. Its all-in-one design eliminates the need for external peripherals, and an integrated LED illumination light ensures clear visibility, supporting accurate operation even in dimly lit settings and around-the-clock use.

Centralized and Flexible Multi-System Control

Supporting direct USB and HDMI connections to 8 or 16 computers, the CL3708NX / CL3716NX can be cascaded up to two levels, enabling control of up to 128 or 256 computers. An external console output via USB and HDMI allows connection to a larger, higher-resolution monitor or a KVM extender* for remote console access, providing operational flexibility and efficiency.

Reliable Video Performance for Precise Monitoring

Engineered for dependable operation, the CL3708NX / CL3716NX delivers crisp video resolutions up to 1366 x 768 @ 60 Hz. Broadcast Mode enables commands to be sent to multiple computers simultaneously, while Auto Scan Mode provides continuous monitoring of selected systems, ensuring operators can monitor multiple systems efficiently and confidently.

Secure and Convenient System Management

Users can manage connected devices via front-panel pushbuttons, hotkeys, or a multilingual on-screen display (OSD). Two-level password protection safeguards against unauthorized access, and a dedicated, hot-pluggable USB mouse port (HID-only) on the front panel allows quick peripheral swaps, reducing downtime and improving convenience.

Note: Please refer to the Compatible Products section on the product page.



CL3716NX Front View



CL3716NX Rear View



CL3708NX Rear View



Features

Space Utility Optimization

- Exclusive LED illumination light – designed by ATEN to illuminate the keyboard and touchpad to enhance usability in dimly lit settings
- 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 your 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

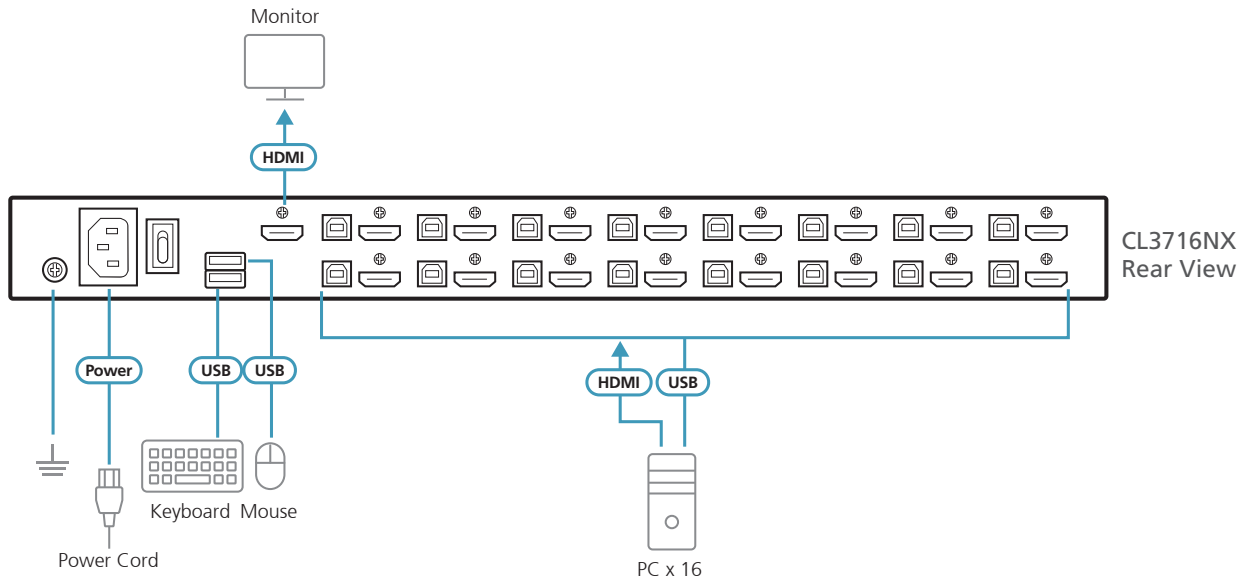
- Superior video quality – up to 1366 x 768 @ 60 Hz
- Cascade up to 2 levels – CL3708NX controls up to 128 computers or CL3716NX controls up to 256 computers from a single console (With compatible KVM Switches¹)
- External console port – connect with a larger, higher-resolution monitor or pair with a KVM extender¹ to extend the console to a remote location for increased operational efficiency
- 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
- Keyboard Language supports: English (UK), English (US), German (GER.), German (SWISS.), French, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish, Turkish 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 options²
- No software required
- Firmware upgradable
- Supports hot-plugging

Note:

1. Please refer to the Compatible Products section on the product page.
2. 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

	CL3708NX	CL3716NX
Computer Connections		
Direct	8	16
Maximum	128 (via Cascade)	256 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
KVM Ports	8 x HDMI Female 8 x USB Type-B Female	16 x HDMI Female 16 x USB Type B Female
External Mouse Port	1 x USB Type-A Female (Front)	
External Console Ports	1 x HDMI Female 2 x USB Type-A Female	
Firmware Upgrade	1 x 3.5mm Audio Jack Female (Black)	
Power	1 x IEC 60320/C 14	
Switches		
Port Selection	8 x Pushbutton	16 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 (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	USB	
Video		
Input Video Resolution	up to 1920 x 1200 @ 60 Hz; 1366 x 768 @ 60 Hz,	
Second console	1920 x 1200 @ 60 Hz	
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	16.77M colors	
Contrast Ratio	1000 : 1	
Luminance	450 cd/m ²	
Scan Interval	1-255 seconds	
Maximum Input Power Rating	100-240 VAC, 50/60 Hz, 1 A	
Power Consumption	AC 110V:25.5W AC 220V:26.1W	AC 110V:29.7W AC 220V:30.1W
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	10.59 kg	
Dimensions (L x W x H)	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	

Note: Body Dimensions exclude I/O ports, handles, and mounting brackets.

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