

## CL3708

8-Port USB HDMI Single Rail WideScreen LCD KVM Switch



The ATEN CL3708NX 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 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 computers, the CL3708NX can be cascaded up to two levels, enabling control of up to 128 computers. An external console output via USB and HDMI allows connection to a larger, higher-resolution monitor or a KVM extender<sup>1</sup> for remote console access, providing operational flexibility and efficiency.

### Reliable Video Performance for Precise Monitoring

Engineered for dependable operation, the CL3708NX delivers crisp video resolutions up to 1366 × 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:

1. Please refer to the Compatible Products section below.

2. Optional rack mount kits are available. For more information, refer to Compatible Accessories below.

**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



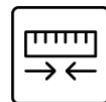
18.5"  
Widescreen



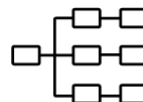
External  
Console



LED Illumination  
Light



Short-Depth  
Design



Expandable via  
Cascade

## 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 from a single console (With compatible KVM Switches <sup>1</sup>)
- External console port – connect with a larger, higher-resolution monitor or pair with a KVM extender <sup>1</sup> 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 options<sup>2</sup>
- No software required
- Firmware upgradable
- Supports hot-plugging

Note:

1. Please refer to the Compatible Products section below.

2. Contact your ATEN dealer for product information.

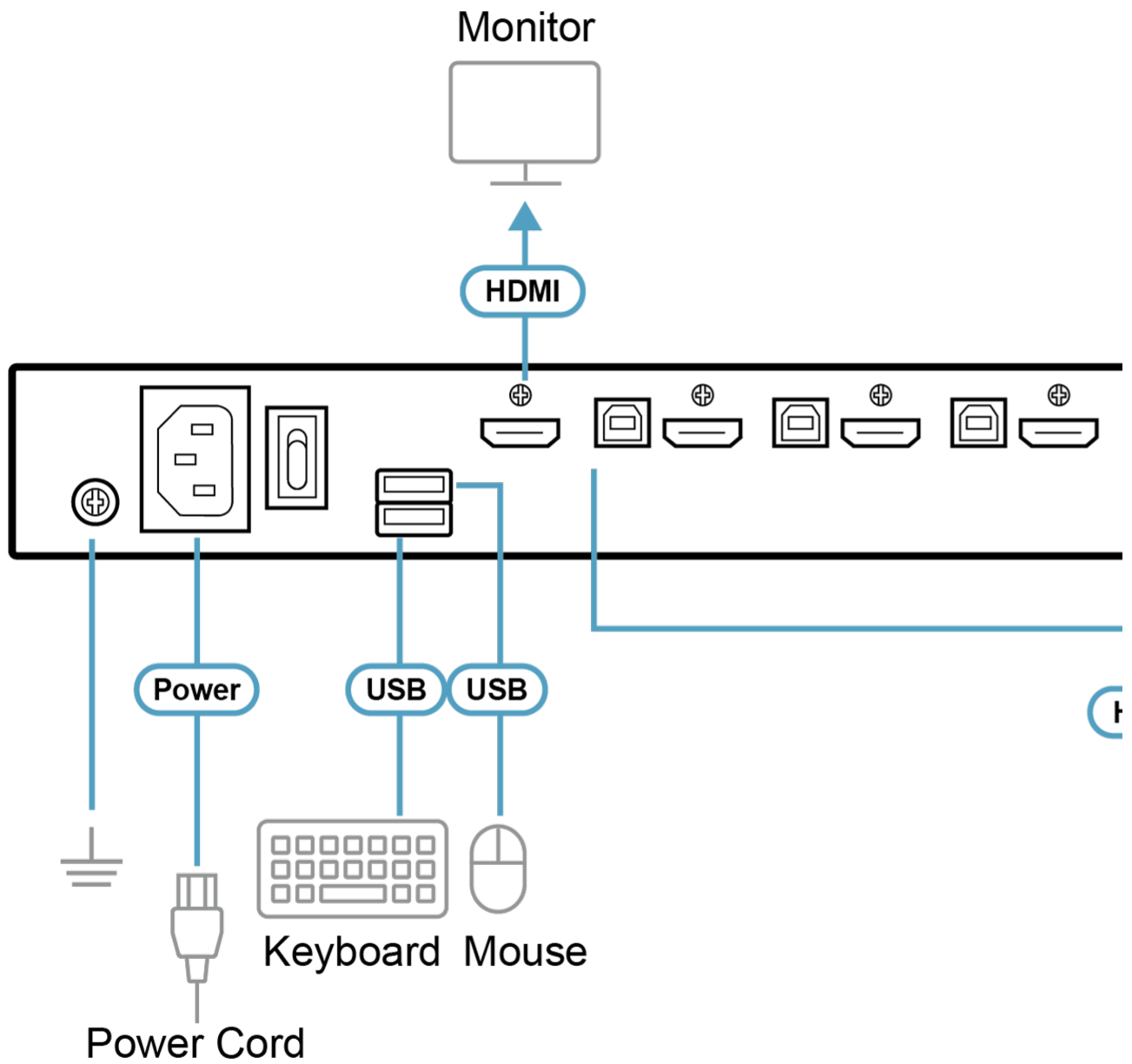
[More information about "Easy Rack Mounting"...](#)

## Specifications

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Function               | CL3708NX                                                                 |
| Computer Connections   |                                                                          |
| Direct                 | 8                                                                        |
| Maximum                | 128 (via Cascade)                                                        |
| Port Selection         | OSD, Hotkey, Pushbutton                                                  |
| Connectors             |                                                                          |
| KVM Ports              | 8 x HDMI Female<br>8 x USB Type B Female                                 |
| Firmware Upgrade       | 1 x 3.5mm Audio Jack Female (Black)                                      |
| Power                  | 1 x IEC 60320/C14                                                        |
| External Mouse Port    | 1 x USB Type A Female (Front)                                            |
| External Console Ports | 1 x HDMI Female<br>2 x USB Type A Female                                 |
| Switches               |                                                                          |
| Port Selection         | 8 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)                                                               |
| Selected               | 8 (Green)                                                                |
| Power                  | 1 x KVM Console (Dark Green)<br>1 x LCD (Orange)                         |
| Lock                   | 1 x Num Lock (Green)<br>1 x Caps Lock (Green)<br>1 x Scroll Lock (Green) |
| LED Illumination Light | 1 x LED Illumination Light                                               |
| 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 <sup>2</sup>                                                                                                                                                                                                                                                                                                                  |
| Video                      |                                                                                                                                                                                                                                                                                                                                        |
| Input Video Resolution     | up to 1920 × 1200 @ 60 Hz;<br>1366 × 768 @ 60 Hz,                                                                                                                                                                                                                                                                                      |
| Second console             | 1920 x 1200 @ 60 Hz                                                                                                                                                                                                                                                                                                                    |
| Scan Interval              | 1-255 seconds                                                                                                                                                                                                                                                                                                                          |
| Emulation                  |                                                                                                                                                                                                                                                                                                                                        |
| Keyboard / Mouse           | USB                                                                                                                                                                                                                                                                                                                                    |
| Maximum Input Power Rating | 100–240 VAC, 50/60 Hz, 1 A                                                                                                                                                                                                                                                                                                             |
| Power Consumption          | AC110V:25.5W:126BTU/h<br>AC220V:26.1W:129BTU/h<br><br>Note:<br><ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| 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 ( 23.33 lb )                                                                                                                                                                                                                                                                                                                  |
| Dimensions (L x W x H)     | 48.06 x 63.10 x 4.28 cm<br>(18.92 x 24.84 x 1.69 in.)                                                                                                                                                                                                                                                                                  |
| Body Dimensions(L x W x H) | 44.92 x 58.4 x 4.28 cm<br>(17.69 x 22.99 x 1.69 in.)                                                                                                                                                                                                                                                                                   |
| Note                       | Body Dimensions exclude I/O ports, handles, and mounting brackets.                                                                                                                                                                                                                                                                     |
| Note                       | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.                                                                                                                                                                                                        |

Diagram





Simply Better Connections

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