

CL3716i

1-Local/Remote Shared Access 16-Port USB HDMI Single Rail WideScreen FHD LCD KVM over IP Switch



The ATEN CL3716iNW is a space-efficient 1U single-rail LCD KVM over IP switch designed for mission-critical environments such as control rooms and data centers. Integrating an 18.5" LED-backlit widescreen monitor, full keyboard, and touchpad into a short-depth sliding housing, it delivers reliable local and over IP access while maximizing valuable rack space.

Maximize Rack Space While Maintaining Full Local Control

Built into a compact 1U single-rail chassis with a short-depth design, the CL3716iNW fits perfectly in shallow racks and space-constrained installations. The all-in-one console design eliminates the need for external peripherals, while an integrated LED illumination light ensures clear visibility for accurate operation in low-light, 24/7 environments.

Centralized and Flexible Control of Multiple Systems

Supporting direct USB and HDMI connections to 16 computers, the CL3716iNW enables efficient centralized management from a single console. An external USB and HDMI console output allows simultaneous local and external access, providing greater operational flexibility for multi-operator or extended workspace scenarios. System control is intuitive via front-panel pushbuttons, hotkeys, or a multilingual on-screen display (OSD). Broadcast Mode enables commands to be sent to multiple computers simultaneously, while Auto Scan Mode provides continuous monitoring of selected systems.

Crystal-Clear Full HD for Precise Monitoring

Engineered for reliable performance, the CL3716iNW delivers crisp Full HD 1920 x 1080 @ 60 Hz video. This ensures clear and accurate visual output, helping operators monitor critical systems with confidence in mission-critical environments. In addition, the CL3716iNW features Panel Array Mode™ for simultaneous multi-server monitoring on a single screen, with each server displayed in an individual panel and customizable layouts for flexible viewing.

Simplified, Secure, and Efficient System Management

Three-level password protection safeguards against unauthorized access, a dedicated LAN port supports network-based firmware upgrades, and a front-panel hot-pluggable USB mouse port (HID-only) allows quick peripheral replacement to minimize downtime.

Note:

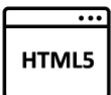
Optional rack mount kits are available. For more information, refer to Compatible Accessories below.



18.5" Widescreen



External Console



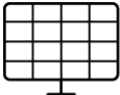
HTML5 WebClient



LED Illumination Light



Over-IP Access



Panel Array Mode™



Short-Depth Design

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 1920 x 1080 @ 60 Hz
 - External console port – enables management of connected computers from an external console (monitor, USB keyboard, and USB mouse)
 - Computer selection via pushbuttons, hotkeys, and multilingual on-screen display (OSD)
 - IP-based LCD KVM switch enabling shared local console access and remote access, allowing monitoring and control of multiple computers via a standard web browser over the network
 - Broadcast mode – allows users to send commands from the console to all computers to perform operations simultaneously
 - Three-level password security – only authorized users can view and control computers
 - Auto Scan mode – enables continuous monitoring of user-selected computers
 - Panel Array Mode™ enables simultaneous monitoring of multiple servers on a single screen, with each server's video output displayed in an individual panel and configurable panel layouts for flexible viewing
 - 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*
 - No software required
 - Firmware upgradable via LAN port
 - Supports hot-plugging

Note: Contact your ATEN dealer for product information.

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

Specifications

Function	CL3716iNW
Computer Connections	
Direct	16
Maximum	16
Port Selection	OSD, Hotkey, Pushbutton
Connectors	
KVM Ports	16 x HDMI Female 16 x USB Type B Female
Power	1 x IEC 60320/C14
External Mouse Port	1 x USB Type A Female (Front)
External Console Ports	1 x HDMI Female 2 x USB Type A Female
LAN Ports	1 x RJ-45 Female
Switches	
Port Selection	16 x Pushbutton
Reset	1 x Semi-recessed Pushbutton
Power	1 x Rocker Switch
LCD Control	4 x Pushbutton
LCD Power	1 x LED Pushbutton
LEDs	
Online	16 (Orange)
Selected	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
Panel Spec	
LCD Module	18.5" TFT-LCD
Resolution	1920 x 1080 @ 60 Hz
Response time	20 ms
Viewing Angle	178° (H), 178° (V)
Pixel Pitch	0.213 mm x 0.213 mm
Support Color	16.77M colors



Contrast Ratio	1000 : 1
Luminance	350 cd/m²
Video	
Remote	1920 x 1200 @60 Hz
Input Video Resolution	up to 1920 x 1200 @ 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:42.1W:204BTU/h AC220V:41.7W:202BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
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	10.96 kg (24.14 lb)
Dimensions (L x W x H)	48.06 x 63.10 x 4.28 cm (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 (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

