1-Local / Remote Shared Access 8 / 16 Port PS/2-USB VGA Single Rail LCD KVM over IP switch

CL5708I (CL5708IM: 17" LCD; CL5708IN: 19" LCD)
CL5716I (CL5716IM: 17" LCD; CL5716IN: 19" LCD)

The CL5708I / CL5716I Slideaway™ LCD KVM Switch is a control unit that allows access to multiple computers from a single PS/2 or USB KVM (keyboard, video, and mouse) console. A single CL5708I or CL5716I can control up to 8 or 16 computers. Up to 15 additional KVM switches can be daisy-chained to the CL5708I / CL5716I, so that up to 128 / 256 computers can all be controlled from a single KVM console.

The CL5708I / CL5716I LCD KVM Switch is an IP-based KVM control unit that allows both local and remote operators to monitor and access multiple computers. Remote users access the switches over the Internet by means of a web browser using TCP / IP for its remote communications protocol. The CL5708I / CL5716I supports up to 32 concurrent user logins for a single-bus computer access. A built-in feature that resembles an Internet chat program – the Message Board – lets them communicate with each other. The ability to exchange information in real time allows them to cooperatively manage the installation in a smooth and efficient manner.

The CL5708I / CL5716I offers a space-saving, streamlined approach to KVM switch technology by integrating a keyboard, 17" or 19" LED-backlit LCD monitor, and touchpad in a 1U rack-mountable sliding housing. In addition, since the CL5708I / CL5716I is built on a modular design, the KVM section can be detached from the switch section for convenient maintenance and repair.

Among CL5708I / CL5716I's other outstanding features, the Panel Array Mode provides the ability to monitor the video output of the servers on the installation; while the Mouse DynaSync™ feature automatically synchronizes the local and remote mouse pointer movements for perfect alignment regardless of what the mouse acceleration settings on the server are.

The CL5708I / CL5716I supports the highest security protocols, such as TLS 1.2 encryption for the browser, and RC4 encryption for secure keyboard, mouse, and video data transmission. For easier and more efficient user management integration, the CL5708I / CL5716I also supports authentication and authorization via 3rd party authorized servers, such as RADIUS, LDAP, LDAPS, and MS Active Directory.

CL5716I Front View

CL5716I Rear View

Features

Hardware

- Exclusive LED illumination light – designed by ATEN to illuminate the keyboard and touchpad to allow visibility in lowlight conditions
- Integrated KVM console with 17" or 19" LED-backlit LCD monitor in a Slideaway™ housing
- Space saving technology – up to two consoles (one bus) control up to 8/16 computers
- Daisy chain up to 15 additional units – control up to 128 (CL5708I) or 256 (CL5716I) computers from a single console (With compatible KVM Switches: ACS1208A, CS1708A,CS1716A)
- Extra console port – manage computers from an external console (VGA monitor, USB or PS/2 keyboard and mouse)
- Superior video quality – up to 1280 x 1024 @75 Hz; DDC2B for the local console; up to 1920 x 1200 @ 60Hz / 24 bit color depth for remote sessions
- Dual Interface – supports computers and console with PS/2 or USB keyboards and mice
- LCD module USB port allows connected computers to access USB peripherals*
- Auto-sensing of station's position on daisy chained installations; no need for manual dip switch setting; front panel LED indicates station's position
- Hot pluggable – add or remove computers without having to power down the switch
- Keyboard and mouse emulation (PS/2 and USB) for smooth switching and simultaneous booting of multiple computers even when the console focus is elsewhere
- Supports multimedia USB keyboards for Windows, Mac and Sun
- Supports external USB mouse
- Video DynaSync™ – stores the console monitor's EDID (Extended Display Identification Data) to optimize display resolution
- Rack mountable in a 1U system rack
- Optional rack mount kits available including easy installation options
- LCD module rotates up to 120 degrees for a more comfortable viewing angle

Note: The USB peripheral function only works with USB cable set connections. It will not work with PS/2 cable set connections.

Management

- Convenient computer selection via front panel pushbuttons, hotkeys and multi-lingual on-screen display (OSD) menus
- Up to 32 concurrent logins
- Multi-language web UI support featuring a tree-structured local and remote OSD
- Adjustable video quality for flexible adaptation to diverse network environments
- Auto Scan mode enables continuous monitoring of user-selected computers
- Broadcast mode: operations from the keyboard can be simultaneously performed on all selected computers on the installation (software installation, system-wide shutdown, etc.)
- Firmware upgrades to all the daisy-chained KVM switches (CS1708A, CS1716A) at the same time via the daisy-chain cable
- Integration with CC2000 Centralized Management Software
- Backup and restore configuration and user account settings
- Event logging
- IPv6 capable

Ease-to-Use Interface

- Browser-based and AP GUIs, together with a menu-driven OSD for the local console, provide a powerful, intuitive, user-friendly, multi-language interface to minimize user training time and increase productivity
- Multiplatform support – Windows, Linux, Mac, and Sun
- Multi-browser support (IE, Firefox, Safari, Opera, Edge)
- Panel array mode enables user to monitor multiple servers from single screen at the same time – each selected server's video output appears in a separate panel – users can easily select the number of panels to view
- WinClient and JavaClient software support; JavaClient works with all operating systems
- Beeper on / off via hotkey and OSD
- Keyboard Language support: English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese
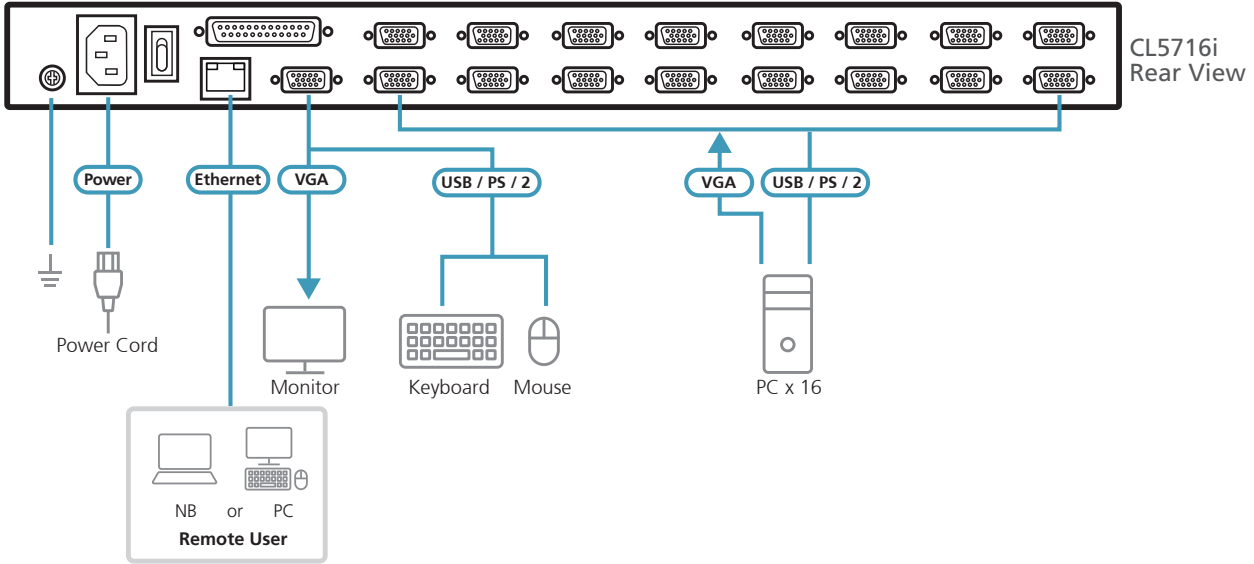
Advanced Security
- Flexible encryption design allows users to choose any combination of DES, 3DES, AES, RC4, or Random for independent Keyboard / Mouse and video data encryption
- Supports TLS 1.2 data encryption and RSA 2048 bit certificates for secure user logins from a browser
- Two level password security – only authorized users can view and control computers; up to 64 user accounts with separate profiles for each
- External (Remote) authentication support: RADIUS, LDAP, LDAPS, MS Active Directory
- Support for IP / MAC Filter
- Local and remote access logged and authenticated

Virtual Remote Desktop
- Resizable remote desktop window
- Message board allows logged-in users to communicate with each other, and allows a user to take exclusive control of the KVM functions
- Mouse DynaSync™
- On-screen keyboard with multi-language support
- BIOS-level access

Highlights

Space Efficient	The CL5708I / CL5716I provides a streamlined method to conserve server room rack space by integrating a retractable LCD monitor, keyboard, and touchpad in a 1U single rail housing that is designed to install easily and operate smoothly.
Ease-to-Use User Interface	A user-friendly and intuitive GUI provides convenient access, configuration and operation. Local Console, browser-based and AP GUIs offer a unified multi-language interface to minimize user training time and increase productivity.
Virtual Remote Desktop	The remote desktop can appear full-screen or as a window with a flexible scaling video display. Advanced features such as the Message Board, Mouse DynaSync™, Virtual Media, and Keyboard Pass Through, create a virtual remote desktop. This enables users to control servers from remote locations as if they were physically present at the local site.
Superior Video Resolution	The CL5708I / CL5716I improved fps throughput for a sharp and responsive video display, these switches provide resolutions of up to 1920 x 1200 @ 60 Hz, along with a vivid 24-bit color depth that ensures a vibrant and detailed remote session display.
Panel Array Mode	The panel array mode enables the simultaneous monitoring of video outputs from the installation's servers. This allows operators to monitor the screen displays of multiple servers in real-time for effective server monitoring.
Message Board	These switches support message board functions similar to an Internet chat program, enabling users to communicate instantly with each other. This feature addresses the issue of access conflicts that may arise from multiple logins.
Mouse DynaSync™	The switches automatically synchronize the local and remote mouse movements ensures a perfect alignment of mouse pointers, regardless of server mouse acceleration settings.
Broadcast Mode	When this function is in effect, commands sent from the console are broadcasted to all available computers on the installation. This function is particularly useful for operations that need to be performed on multiple computers, such as performing a system wide shutdown, installing or upgrading software, etc.

CL5716i
Rear View

Power | Ethernet | VGA | USB / PS / 2 | VGA | USB / PS / 2

Power Cord

Monitor

Keyboard | Mouse

PC x 16

NB or PC

Remote User

Optional

Single Person Easy Installation Kit
Slideaway™ LCD KVM switches allow users to choose from a host of optional rack mount kits to meet your 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. The single person easy installation rack mount kit enables one person to rack mount a Slideaway™ LCD KVM switch. In just a matter of minutes, the Slideaway™ LCD KVM switch can go from the box to the rack.

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

2X-010G | Short | 2K-0006 | 2K-0005

Rack Mount Kit	Depth (cm)	
2X-010G (Long / Optional)	17″	68 - 105
	19″	70-105
Short (Standard)	17″	42 - 82
	19″	52-85

Easy Installation Rack Mount Kit	Depth (cm)	
2K-0006 (Long / Optional)	68-105	
2K-0005 (Short / Optional)	17″	52-70
	19″	57-70

Specifications

	CL5708IM	CL5708IN	CL5716IM	CL5716IN
Console Connections				
Local	1 (Share Remote Bus)			
Remote	1			
Computer Connections				
Direct	8		16	
Maximum	128 (via Daisy-chain)		256 (via Daisy-chain)	
Port Selection	OSD, Hotkey, Pushbutton			
Connectors				
External Console Ports	1 x SPHD Male (Yellow)			
External Mouse Port	1 x USB Type-A Female			
USB Port	1 x USB Type-A Female			
KVM Ports	8 x SPHD Female		16 x SPHD Female	
Daisy Chain Ports	1 x DB-25 Male			
Firmware Upgrade	1 x RJ-11 Female			
LAN Ports	1 x RJ-45 Female			
Power	1 x IEC 60320/C14			
Switches				
Port Selection	2 x Pushbuttons			
Station Selection	2 x Pushbuttons			
Reset	1 x Semi-recessed Pushbutton			
Firmware Upgrade	1 x Switch			
Power	1 x Rocker Switch			
LCD On / Off	1 x LED Pushbutton (Orange)			
LCD Adjustment	4 x Pushbuttons			
LEDs				
Online	8 x (Orange)		16 x (Orange)	
Port ID	1 x 2-digit, 7-segment (Yellow)			
Station ID	1 x 2-digit, 7-segment (Yellow)			
10 / 100 Mbps	1 x (Orange/Green)			
Power	1 x (Dark Green)			
Lock	1 x Num Lock (Green) 1 x Caps Lock (Green) 1 x Scroll Lock (Green)			
Video				
Remote	1920 x 1200 @60 Hz			
Panel Spec				
LCD Module	17" TFT-LCD	19" TFT-LCD	17" TFT-LCD	19" TFT-LCD
Resolution	1280 x 1024 @75 Hz			
Pixel Pitch	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm
Response time	5 ms			
Viewing Angle	170° (H), 160° (V)			
Support Color	16.7M colors			
Contrast Ratio	1000:1			
Luminance	250 cd/m²			
Emulation				
Keyboard / Mouse	PS/2, USB			
Scan Interval	1 – 255 sec.			
Maximum Input Power Rating	100 – 240V AC, 50 – 60 Hz, 1A			
Power Consumption	AC110V:26.8W AC220V:27.7W	AC110V:29W AC220V:29.8W	AC110V:26.8W AC220V:27.7W	AC110V:30.8W AC220V:31.8W
Environmental				
Operating Temperature	0 – 50°C			
Storage Temperature	-20 – 60°C			
Humidity	0 – 80% RH, Non-condensing			
Physical Properties				
Housing	Metal + Plastic			
Weight	13.49 kg	13.41 kg	13.61 kg	13.67 kg
Dimensions (L x W x H)	48.00 x 64.27 x 4.40 cm	48.00 x 68.92 x 4.40 cm	48.00 x 64.27 x 4.40 cm	48.00 x 68.92 x 4.40 cm

Product information is subject to change without prior notice.