

# 1-Local / Remote Shared Access 8 / 16-Port PS/2-USB VGA KVM over IP Switch

## CS1708i / CS1716i

The CS1708i and CS1716i KVM switches are IP-based KVM control units that allow 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 CS1708i and CS1716i support up to 32 concurrent user logins for 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.

Among the CS1708i and CS1716i's other outstanding features, a Panel Array Mode provides the ability to monitor up to 8 / 16 servers per switch; 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 CS1708i / CS1716i 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 CS1708i / CS1716i also support authentication and authorization via remote servers, such as RADIUS, LDAP, LDAPS, and MS Active Directory.

These powerful features not only help administrators manage their server room in an efficient and flexible manner, they provide a cost effective management solution for the SMB sector.

CS1708i



CS1716i



## Features

### Management

- Up to 64 user accounts
- 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 feature for monitoring 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 upgradable
- Backup and restore configuration and user account settings
- Event logging
- Enable / disable browser access
- 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, userfriendly, multi-language interface to minimize user training time and increase productivity
- Multi-platform client support (windows, Mac OS X, Linux, Sun)
- Multi-browser support (IE, Chrome, Firefox, Safari, Opera)
- Port names automatically reconfigured when station sequence is changed
- 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

### Advanced Security

- Flexible encryption design allows users to choose any combination of DES, 3DES, AES, RC4, or Random for independent KB / Mouse and video data encryption
- Supports TLS 1.2 data encryption and RSA 2048 bit certificates for secure user logins from a browser
- External (Remote) authentication support: RADIUS, LDAP, LDAPS, MS Active Directory
- Supports 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 supports
- BIOS-level access

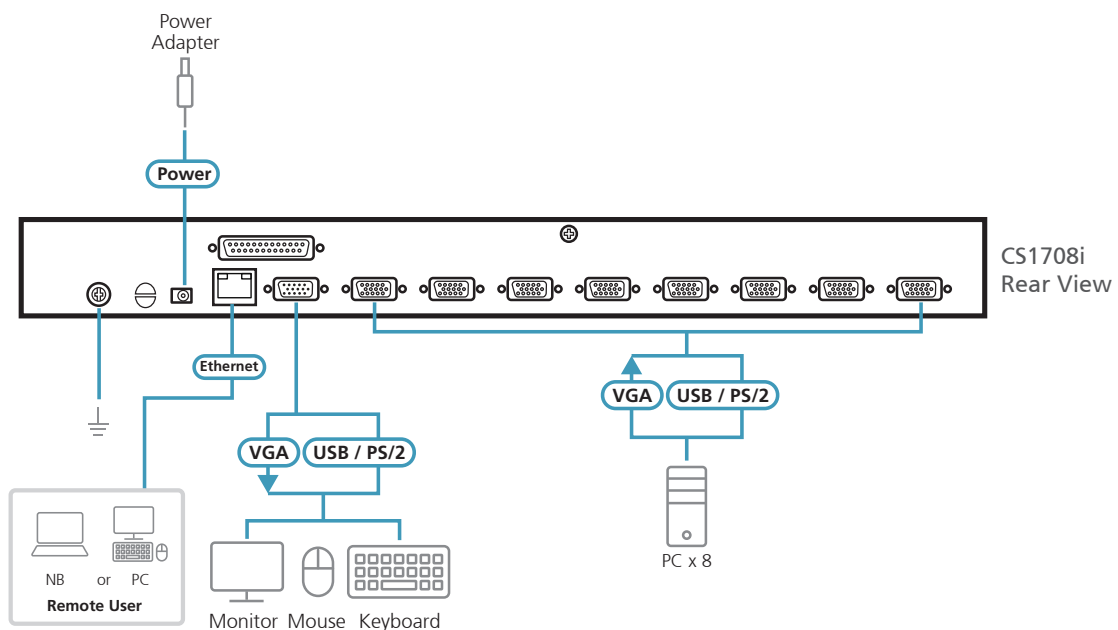
### Hardware

- 8 / 16-port remote access KVM switch – monitor and control up to 8 / 16 computers from a single KVM console
- Daisy chain up to 15 additional units – control up to 128 / 256 computers from a single console\*
- 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
- Multi-platform supports – Windows, Linux, Mac, and Sun
- Front panel USB hub allows connected computers to access USB peripherals
- Dual Interface – supports PS/2 or USB keyboard and mouse computer connections with automatic interface detection
- USB / PS/2 keyboard and mouse emulation – computers boot even when the console focus is elsewhere
- Supports USB keyboards for PC, Mac and Sun
- Superior video quality – up to 2048 x 1536; DDC2B for the local console; up to 1920 x 1200 @ 60Hz and 1600 x 1200 @ 60Hz / 24 bit color depth for remote sessions
- Video DynaSync™ – stores the console monitor's EDID (Extended Display Identification Data) to optimize display resolution
- Rack mountable in a 1U system rack

**Note:** \*Compatible KVM Switches include the following: ACS1208A, CS1708A, CS1716A, KH1508A, KH1516A

## Highlights

<b>Ease-to-Use Interface</b>	A user-friendly, 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.
<b>Virtual Remote Desktop</b>	The remote desktop can appear full-screen. Advanced features such as the Message Board, and Mouse DynaSync™, create a Virtual Remote Desktop that allows users to operate servers from remote locations just as if they were actually at the local site.
<b>Superior Video Resolution</b>	With enhanced fps throughput for crisp responsive video display, the switches offer resolutions of FHD version up to 1920 x 1200 @60Hz and non-FHD version up to 1600 x 1200 @60Hz; vibrant 24-bit color depth for rich remote session display.
<b>Panel Array Mode</b>	Panel array mode permits simultaneous monitoring of the video output of the installations' servers. Operators can monitor the screen display of up to 8 / 16 servers per switch.
<b>Message Board</b>	To alleviate the problem of access conflicts arising from multiple logins, the Message Board functions like an Internet chat program, allowing users who are logged in to instantly communicate with each other.
<b>Mouse DynaSync™</b>	Automatically synchronizes the local and remote mouse movements for perfect alignment of mouse pointers, regardless of server mouse acceleration settings. For Mouse DynaSync™ supports, USB Adapter cables must be used on all connected ports.



## Specifications

	CS1708i	CS1716i
Computer Connections		
Direct	8	16
Maximum	128 (via daisy chain)	256 (via daisy chain)
Port Selection	OSD / GUI; Hotkey; Pushbutton	
Connectors		
Console Ports	1 x SPHD Male (Yellow)	
KVM Ports	8 x SPHD Female (Yellow)	16 x SPHD Female (Yellow)
Daisy Chain Ports	1 x DB-25 Male	
Power	1 x DC Jack	
LAN Ports	1 x RJ-45 Female	
Firmware Upgrade	1 x RJ-11	
USB Port	1 x USB Type-A Female	
Switches		
Reset	1 x Semi-recessed Pushbutton	
Port Selection	8 x Pushbutton	16 x Pushbutton
Firmware Upgrade Recovery	1 x Slide	
LEDs		
Online	8 (Orange)	16 (Orange)
Selected	8 (Green)	16 (Green)
Station ID	1 x 2-digit, 7-segment (Orange)	
Power	1 (Dark Green)	
10 / 100 Mbps	1 (Orange / Green - at LAN port)	
Emulation		
Keyboard / Mouse	PS/2, USB	
Video		
Local	2048 x 1536; DDC2B	
Remote	FHD : 1920 x 1200 @ 60Hz Non-FHD : 1600 x 1200 @ 60Hz	
Scan Interval	1 – 255 sec.	
Power Consumption	DC5.3V:7.67W	DC5.3V:9.2W
Environmental		
Operating Temperature	0 – 50 °C	
Storage Temperature	-20 – 60° C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Weight	2.81 kg	3.00 kg
Dimensions (L x W x H)	43.72 x 15.96 x 4.40 cm	

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