

# CS1708i/CS1716i

8/16-Port PS/2-USB KVM on the NET™  
With 1 Local/Remote User Access



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 simultaneously monitor up to 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 128 bit SSL encryption for the browser, and RC4 128 bit 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.



## » FEATURES

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### Management

- Convenient computer selection via front panel pushbuttons, hotkeys and multilingual on-screen display (OSD) menus
- Up to 32 concurrent logins
- Multilanguage 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 simultaneously performed on all selected computers (software installation, system-wide shutdown, etc.).
- Firmware upgradable
- Backup and restore configuration and user account settings
- Event logging
- Enable/disable browser access
- IPv6 capable **NEW**

### 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, multilanguage interface to minimize user training time and increase productivity
- Multiplatform client support (windows, Mac OS X, Linux, Sun)
- Multibrowser support (IE, Mozilla, Firefox, Safari, Opera, Netscape)
- 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
- Windows client and Java client software support; Java client works with all operating systems

### Advanced Security

- Secure keyboard/mouse/video transmission via RC4 128bit encryption
- 128bit SSL browser access
- Two level password security – 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

- 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 multilanguage support
- 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

- Multiplatform support – 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
- Multimedia USB keyboard support (PC, Mac and Sun)
- Superior video quality – up to 2048 x 1536; DDC2B for the local console; up to 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 19" (1U) system rack

\*Compatible KVM Switches include the following:

ACS1208A, ACS1216A, CS1708, CS1716, CS1708A, CS1716A, KH1508, KH1516

## » Benefits

### Ease-to-use user interface

A user-friendly, intuitive, GUI provides convenient, access, configuration and operation. Local Console , browser-based and AP GUIs offer a unified multilanguage interface to minimize user training time and increase productivity

### Virtual Remote Desktop

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.

### Superior Video

With enhanced fps throughput for crisp responsive video display, the switches offer resolutions of up to 1600 x 1200 @ 60Hz; vibrant 24-bit color depth for rich remote session display

### Panel Array Mode

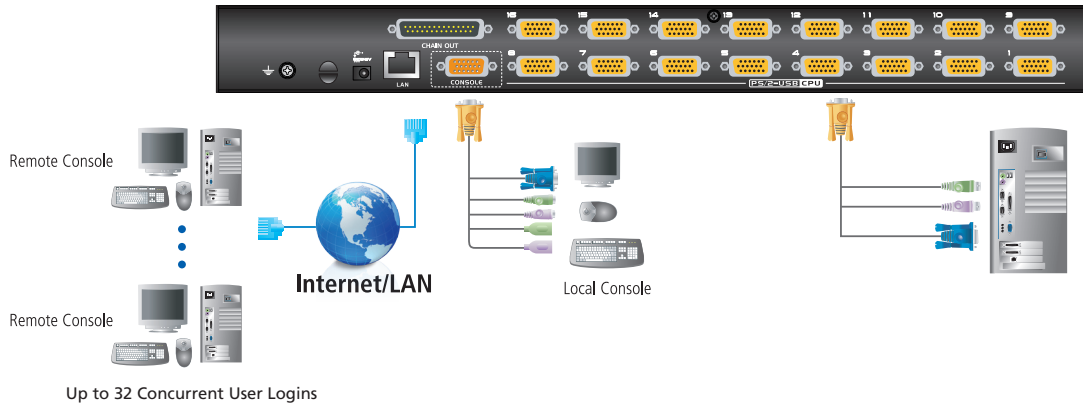
Panel array mode permits simultaneous monitoring of the video output of the installations' servers. Operators can monitor the screen display of up to 16 servers per switch for real-time server monitoring

### Message Board

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.

### Mouse DynaSync™

Automatically synchronizes the local and remote mouse movements for perfect alignment of mouse pointers, regardless of server mouse acceleration settings. For Mouse DynaSync™ support, USB Adapter cables must be used on all connected ports.



## » Specification

Function		CS1708i	CS1716i
Computer Connections	Direct	8	16
	Max	128 (via daisy chain)	256 (via daisy chain)
Port Selection		OSD/GUI; Hotkey; Pushbutton	
Connectors	Console Port	1 x SPHD-18 Male (Yellow)	
	KVM Ports	8 x SPHD-17 Female (Yellow)	16 x SPHD-17 Female (Yellow)
	Daisy Chain	1 x DB-25 Male (Black)	
	Power	1 x DC Jack	
	LAN	1 x RJ45 Female	
	FW Upgrade	1 x RJ-11	
	USB Port (1.1)	1 x USB Type A	
Switches	Reset	1 x Semi-recessed pushbutton	
	Port Selection	8 x Pushbutton	16 x Pushbutton
	FW Upgr. Rec.	1 x Slide	
LEDs	On Line	8 (Orange)	16 (Orange)
	Selected	8 (Green)	16 (Green)
	Station ID	2 x 7-segment (Orange)	
	Power	1 (Dark Green)	
Emulation	Keyboard/Mouse	1 (Orange/Green – at LAN port)	
Video	Local Console	2048 x 1536; DDC2B	
	Remote	1600 x 1200 @ 60Hz / 24bit color depth	
Scan Interval (OSD Select)		1–255 sec.	
Power Consumption		DC 5.3 V; 9.5W	DC 5.3 V; 11W
Environment	Operating Temp.	0–50° C	
	Storage Temp.	-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)	43.30 x 16.00 x 4.40 cm	

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