

### CS17916

16-Port USB HDMI/Audio KVM Switch



The CS17916 16-port USB HDMI KVM Switch is a multi-purpose appliance that consolidates access and control of up to 16 HDMI computers from a single USB keyboard, USB mouse, and monitor console. The CS17916 can be cascaded up to two levels – up to 256 computers – all from a single console.

In addition, the CS17916 features multi-display functionality, which enables the use of standard USB cables to stack up to 8 switches in a multi-display installation where each computer is fitted with multiple video cards. It allows users to contrast, analyze and monitor video output in convenient ways, substantially simplifying the working environment.

The CS17916 supporting ATEN's on-screen display (OSD) function, allowing it to access any computer connected to the installation, which offers OSD configuration backup / restore functions to save or back up the OSD settings and restore them as needed. The CS17916 provides multimedia keyboard support and is audio enabled. Users can listen to the audio output of each computer on two sets of speakers (on a one at- a-time basis).



## Features

- One USB console controls up to sixteen HDMI interface computers and two additional USB 2.0 devices
- HDMI compatible
- Cascadable to two levels–control up to 256 computers <sup>1</sup>
- Multi-Display feature stack up to eight CS17916 units and display video from up to eight monitors(dual display/triple display/quad display/multi-display)
- 2-port USB 2.0 hub built in <sup>2</sup>
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- Independent switching of KVM and USB focus
- OSD Backup/Restore feature—enables the administrator to back up the switch's configuration and user profile information
- Firmware upgradable
- Video DynaSync™ exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports
- Superior video quality–supports up to 1080p / 1920 x 1200@60Hz <sup>3</sup>
- Supports widescreen resolutions
- Audio enabled–full bass response provides a rich experience for 2.1 channel surround sound systems
- Console audio ports on front panel for easy access
- Auto Scan Mode for monitoring all computers
- HDCP compatible
- Multiplatform support–Windows, Linux, Mac, Sun<sup>4</sup>
- Console mouse port emulation/bypass feature supports most mouse drivers and multifunction mice
- Complete keyboard emulation for error-free booting
- Mac/Sun keyboard support and emulation<sup>5</sup>
- · Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French
- Multillingual keyboard mapping supports English (US), English (UK), German (GER.), German (SWISS), French, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish, Traditional Chinese, and Simplified Chinese
- Supports hot-plugging

### Note:

- 1. CS17916 cascade to CS17916 only.
- 2. The USB 2.0 hub cannot be accessed through the switch by computers on the second or third level of a cascaded installation
- 3. CS17916 supports the resolution up to 1920 x 1080 @ 60 Hz. The resolution of the connected source should be 1920 x 1080 @ 60 Hz or lower in order to avoid compatibility issues.
- 4. For PC compatible computers. Mac and Sun computers must be compatible with USB connections.
- 5. PC keyboard combinations emulate Mac / Sun keyboards; Mac / Sun keyboards work only with their own computers.

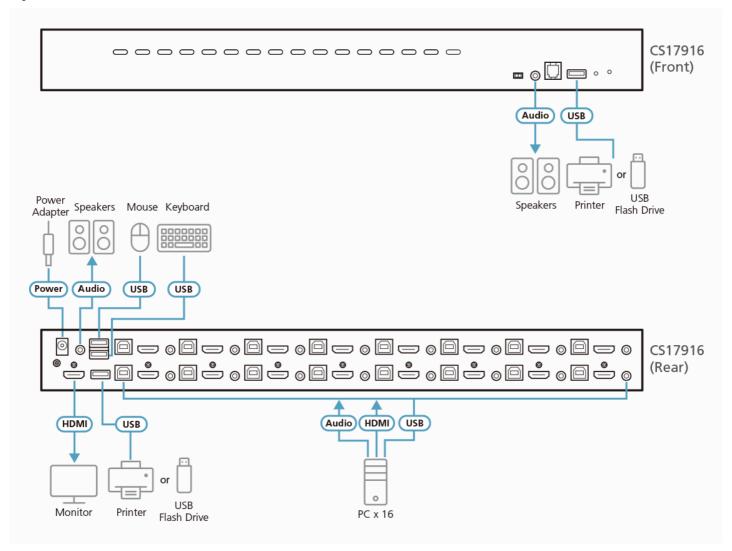


# Specifications

Direct   16			
Maximum   266 (via Caucado)	Computer Connections		
Port Selection	Direct	16	
Contectors	Maximum	256 (via Cascade)	
	Port Selection	OSD, Hotkey, Pushbutton	
2 x USB Type A Female	Connectors		
16 x USB Type B Female (Green)	Console Ports	2 x USB Type A Female	
Type	KVM Ports	16 x USB Type B Female	
Switches   Switches   Port Selection   16 x Pushbutton   Pesset   1 x Semi-recessed Pushbutton   Pesset   1 x Semi-recessed Pushbutton   Pesset   1 x Stide Switch   Pesset   1 (Dark Cheen)   Pesset   1 x Stide Switch   1 x Stide Switch   Pesset   1 x Stide Switch   Pe	Firmware Upgrade	1 x RJ11 Female	
Port Selection   16 x Pushbutton	Power	1 x DC Jack	
Port Selection   16 x Pushbutton	USB Hub	2 x USB Type A Female (1 x front panel, 1 x rear panel)	
Reset	Switches		
LEDs	Port Selection	16 x Pushbutton	
USB Link	Reset	1 x Semi-recessed Pushbutton	
Power	Firmware Upgrade	1 x Slide Switch	
Power	LEDs		
On Line /Selected         16 (Orange)           Emulation           Keyboard / Mouse         USB           Video         1920 x 1080 @ 60Hz; 1920 x 1200 @ 60Hz           Scan Interval         1 − 255 seconds (default: 5 sec.)           Power Consumption         DC5V:9.18W:69BTU/h Note:	USB Link	16 (Green)	
Emulation  Keyboard / Mouse  USB  Video  1920 x 1080 @ 60Hz; 1920 x 1200 @ 60Hz  Scan Interval  1 - 255 seconds (default: 5 sec.)  Power Consumption  DC5V:9.18W:69BTU/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 - 50°C  Storage Temperature  -20 - 60°C  Humidity  0 - 80% RH, Non-condensing  Physical Properties  Housing  Metal  Weight  3.86 kg (8.5 lb)  Dimensions (L x W x H)  43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Power	1 (Dark Green)	
Keyboard / Mouse     USB       Video     1920 x 1080 @ 60Hz; 1920 x 1200 @ 60Hz       Scan Interval     1 – 255 seconds (default: 5 sec.)       Power Consumption     DC5V:9.18W:69BTU/h Note: <ul> <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 – 50°C       Storage Temperature     -20 – 60°C       Humidity     0 – 80% RH, Non-condensing           Physical Properties           Housing         Metal           Weight         3.86 kg (8.5 lb)           Dimensions (L x W x H)         43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	On Line /Selected	16 (Orange)	
Video       1920 x 1080 @ 60Hz; 1920 x 1200 @ 60Hz         Scan Interval       1 − 255 seconds (default: 5 sec.)         Power Consumption       DC5V:9.18W:69BTU/h         Note:	Emulation		
Scan Interval 1 − 255 seconds (default: 5 sec.)  Power Consumption DC5V:9.18W:69BTU/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 − 50°C  Storage Temperature 20 − 80% RH, Non-condensing  Physical Properties  Housing Metal  Weight 3.86 kg (8.5 lb )  Dimensions (L x W x H) 43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Keyboard / Mouse	USB	
Power Consumption  DC5V:9.18W:69BTU/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 - 50°C  Storage Temperature  -20 - 60°C  Humidity  0 - 80% RH, Non-condensing  Physical Properties  Housing  Metal  Weight  3.86 kg (8.5 lb )  Dimensions (L x W x H)  43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Video	1920 x 1080 @ 60Hz; 1920 x 1200 @ 60Hz	
Note: <ul> <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 − 50°C         Storage Temperature       -20 − 60°C         Humidity       0 − 80% RH, Non-condensing         Physical Properties         Housing       Metal         Weight       3.86 kg (8.5 lb )         Dimensions (L x W x H)       43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Scan Interval	1 – 255 seconds (default: 5 sec.)	
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 – 50°C  Storage Temperature  -20 – 60°C  Humidity  0 – 80% RH, Non-condensing  Physical Properties  Housing  Metal  Weight  3.86 kg (8.5 lb)  Dimensions (L x W x H)  43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Power Consumption	DC5V:9.18W:69BTU/h	
Operating Temperature         0 – 50°C           Storage Temperature         -20 – 60°C           Humidity         0 – 80% RH, Non-condensing           Physical Properties         Housing           Metal           Weight         3.86 kg (8.5 lb)           Dimensions (L x W x H)         43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)		<ul> <li>The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> </ul>	
Storage Temperature         -20 – 60°C           Humidity         0 – 80% RH, Non-condensing           Physical Properties           Housing         Metal           Weight         3.86 kg (8.5 lb )           Dimensions (L x W x H)         43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Environmental		
Humidity       0 – 80% RH, Non-condensing         Physical Properties         Housing       Metal         Weight       3.86 kg ( 8.5 lb )         Dimensions (L x W x H)       43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Operating Temperature	0 – 50°C	
Physical Properties           Housing         Metal           Weight         3.86 kg ( 8.5 lb )           Dimensions (L x W x H)         43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Storage Temperature	-20 – 60°C	
Housing Metal  Weight 3.86 kg ( 8.5 lb )  Dimensions (L x W x H) 43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Humidity	0 – 80% RH, Non-condensing	
Weight       3.86 kg ( 8.5 lb )         Dimensions (L x W x H)       43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Physical Properties		
Dimensions (L x W x H)  43.24 x 25.72 x 4.40 cm (17.02 x 10.13 x 1.73 in.)	Housing	Metal	
(17.02 x 10.13 x 1.73 in.)	Weight	3.86 kg ( 8.5 lb )	
Note For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	Dimensions (L x W x H)		
	Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	



### Diagram



## ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan Phone: 886-2-8692-6789 Fax: 886-2-8692-6767

www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their
respective owners.